DOCUMENT RESUME

ED 323 999 IR 053 265

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TITLE ACRL University Library Statistics 1985-86 & 1986 "100 Libraries" Statistical Survey.
INSTITUTION Association of Coll. and Research Libraries, Chicago, Ill.
REPORT NO ISBN-0-8389-7144-X
PUB DATE 87
NOTE 100p.; For the 1987-88 report, see IR 053 266. Oversize statistical charts reduced to two separate regular pages.
PUB TYPE Statistical Data (110) -- Tests/Evaluation Instruments (160)

EDRS PRICE MF01/PC04 Plus Postage.
DESCRIPTORS *Academic Libraries; Foreign Countries; Higher Education; Interlibrary Loans; Library Administration; *Library Collections; *Library Expenditures; *Library Personnel; Library Statistics; Library Surveys; *Operating Expenses; Salaries; Tables (Data)
IDENTIFIERS Canada; United States

ABSTRACT

The Association for Research Libraries (ARL) questionnaire was sent to 176 academic libraries in the United States and Canada, including the 95 university libraries previously surveyed for the ACRL University Library Statistics series, and representative college and community and junior college libraries that had responded to the 1984 "100 Libraries" Statistical Survey of U.S. and Canadian libraries that were not members of the ARL. Based on the responses received from 149 libraries, this report is arranged in three parts by type of library--university libraries, college libraries, and community and junior college libraries. The university library section includes library data tables, rank order tables, and 10 ratios comparing library operations and expenditures that were developed for the 1984 "100 Libraries Statistical Survey." The college and community and junior college library sections include the library data tables and the 10 ratios, but not the rank order tables. Results of the survey indicate that total operating expenses for 1985-86 were over $3 million, a 15% increase over the 1983-84 figures. Expenditures for current serials were up 25%, while current serials held were down 5%. Expenditures for salaries increased by 2%, and the total number of library personnel remained the same. The number of volumes held was up by 10%. The number of interlibrary loan items borrowed increased by more than 7%, and items loaned increased by 25%. The survey instrument and a description of the survey methodology are appended. (SD)

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ACRL University Library Statistics 1985-86
&
1986 "100 Libraries" Statistical Survey

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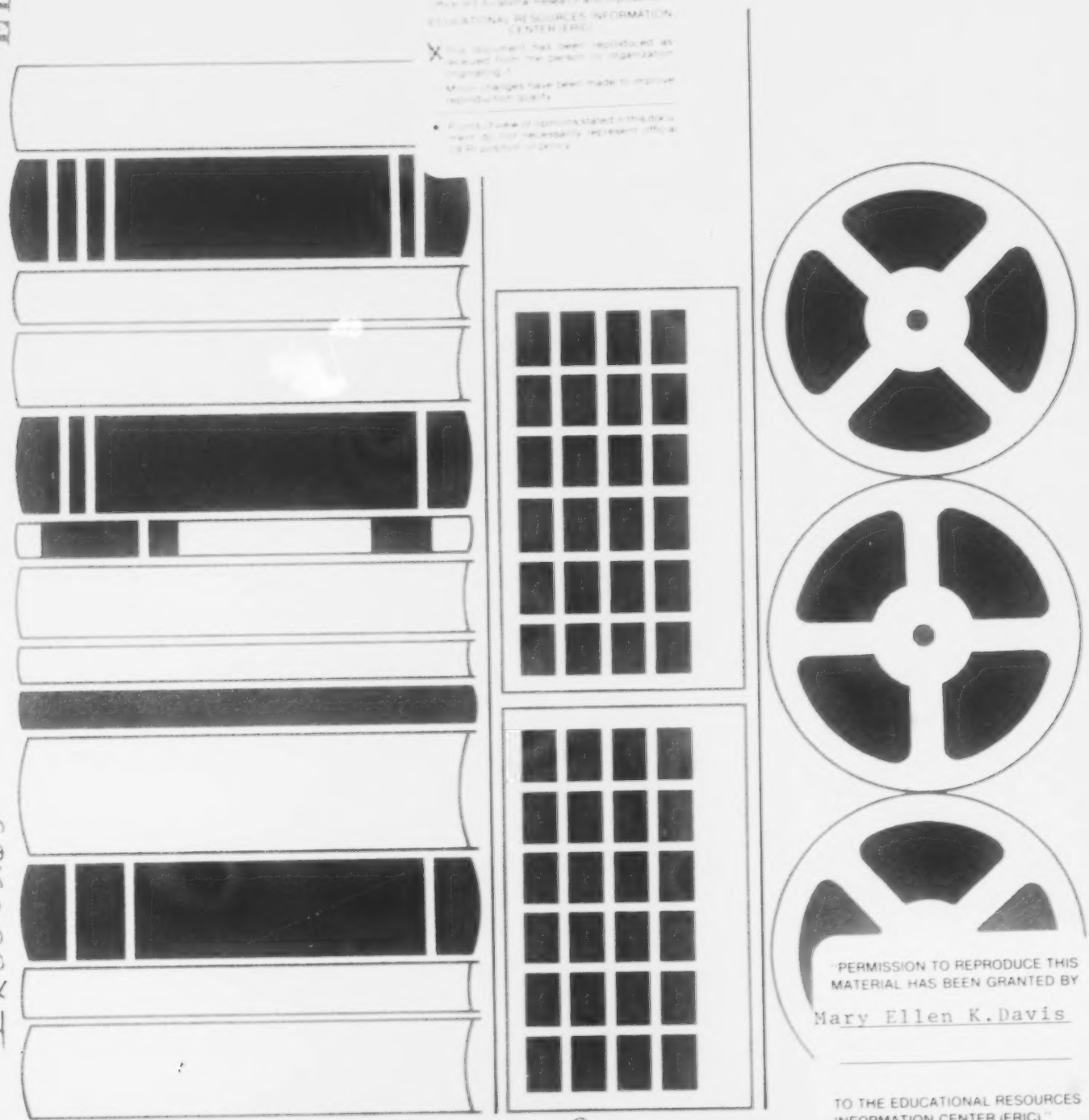

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ACRL University Library Statistics 1985-86
&
1986 "100 Libraries" Statistical Survey

compiled by

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Association of College and Research Libraries
A division of the American Library Association
Chicago, Illinois
1987

Published by the Association of College and Research Libraries
a division of the American Library Association
50 East Huron Street
Chicago, IL 60611

ISBN 0-8389-7144-X

Printed in the United States of America

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INTRODUCTION

The Association of College and Research Libraries has been involved in the collection and dissemination of data from academic libraries for a number of years. ACRL issued a largely forgotten series of data through the 1958/59 academic year in College and Research Libraries. This series continued one published originally in the ALA Bulletin and reported detailed data on a large number of academic libraries.

In the last several years, ACRL has issued data for university libraries that do not belong to the Association of Research Libraries (ARL) comparable to those collected and published by the ARL on its member libraries. In the 1978/79, 1981/82, and 1983/84 academic years, ACRL sent to those non-ARL university libraries, the same survey sent to ARL members. The ACRL University Library Statistics 1985-86 and 1986 "100 Libraries" Statistical Survey continues the practice of collecting the same data as ARL does in its survey. The 1985-86 ACRL data collection effort was modified to reflect the changes that ARL made to its 1985-86 survey. A complete discussion of these changes may be found in the ARL Statistics 1985-86, compiled by Nicola Daval and Alexander Lichtenstein. (Washington D.C.: ARL, 1987.)

This ACRL publication not only provides data in the familiar ARL format, it also serves three other purposes. First, the data collection effort was expanded to include representative college and junior college libraries that had previously responded to the 1984 "100 Libraries" Statistical Survey (a pilot study conducted by ACRL). Planning is under way for ACRL to expand its data collection efforts to include even more libraries and to develop a database for academic library statistics. Second, this report provides the ten ratios comparing library operations and expenditures developed for the 1984 "100 Libraries" Statistical Survey.

Third, this report represents a step toward our goal to make statistics reporting uniform for academic libraries. The survey instrument used for this report is based upon the new questionnaire under development by the Department of Education that will be part of the Integrated Postsecondary Education Data System (IPEDS) and that will replace the HEGIS form. At the same time, the survey conducted by ACRL preserved those data elements necessary to produce a report comparable to the ARL Statistics Survey 1985-86.

The ACRL statistics survey was sent to 176 academic libraries in the U.S. and Canada, including the 95 university libraries previously surveyed for the ACRL University Library Statistics series, and representative college and community and junior college libraries. Of the 176 surveys sent out, 149 responses were received (84.6%).

In reviewing the medians for university libraries found on pages 17 and 18 of this report, total operating expenditures are over three million dollars, a 15% increase over 1983-84 figures. (It is important to note that while the 1985-86 pool of university libraries is not identical to the 1983-84 pool, some interesting comparisons of the medians of these groups may still be made.) In comparing the medians, expenditures for current serials are up 25% while current serials held are down 5%. Expenditures for salaries are up 2% and total staff remained the same. Volumes held are up 10%; volumes added (gross) are up 14%; and volumes added (net) are up 2%. The number of items borrowed on interlibrary loan is up 7.8% while the number of items loaned is up 25%.

This report is arranged in three parts by type of library--university libraries (those previously included in the ACRL University Library Statistics series); college libraries; and community and junior college libraries. The university libraries section includes the library data tables, rank order tables, and the ten ratios. (Following ARL's practice the library index is not included.) The college libraries and community and junior college libraries sections include the library data tables and the ten ratios. Footnotes for all three sections are listed by institution and appear in Appendix 3. Appendix 1 includes the ACRL statistics survey instrument and instructions. Appendix 2 provides a brief methodological review of how the report was prepared and includes the formulas used to generate the tables and ratios. Expenditures of Canadian libraries are expressed in U.S. dollars in this report. Expenditures as reported in Canadian dollars are given in the "Footnotes" to the ACRL University Library Statistics 1985-86 and 1986 "100 Libraries" Statistical Survey. (The exchange rate used for 1985-86 is 1.3817 Canadian dollars to one U.S. dollar. The rate used is the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1985-June 1986.)

The rank order tables presented in this report are not intended to imply qualitative evaluations of the institutions described. In comparing any individual library to ACRL medians or to other reporting libraries, one must always make evaluations within the context of local goals and characteristics.

For their contribution to the development of this report we would like to thank the ACRL Academic Library Statistics Committee and the ACRL Task Force on Academic Library Statistics (1982-1985). We would also like to thank those surveyed libraries who provided input on the format of the new questionnaire. Special thanks to Mary Jo Lynch, Director of the ALA Office for Research, for her help in coordinating our efforts with the Center for Education Statistics, U.S. Department of Education. We also thank Mary Ellen Davis, ACRL program officer, and her assistant, Dawn Jacobson, for coordinating this project. Thanks are also due to the Library Research Center at the University of Illinois for their help in producing the report. Finally, thanks to Robert Molyneux, assistant professor at the University of Illinois, Urbana-Champaign, and his assistants, Dora Bertram, Zhou Yuan, and Xia Yun for compiling the data and producing this report.

JoAn S. Segal
ACRL Executive Director

Kent Hendrickson
Chair, Academic Library
Statistics Committee

May 1987

ACRL LIBRARY DATA TABLE

INSTITUTION	Lib. No.	COLLECTIONS: Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	INTERLIBRARY LOANS: Total Loaned	Total Borrowed	PERSONNEL (FTE): Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Akron	b+	1: 906,310	32,394	22,711	23,320	N/A	N/A	N/A	902,980	11,240	7,979	34	73	29	136	783,43
Alaska: Fairbanks	M+	2: 588,198	12,512	12,139	N/A	N/A	N/A	N/A	N/A	5,742	4,393	30	34	20	83	N/
Arkansas: Fayetteville	L+	3: 1,132,597	49,748	48,043	19,518	10,822	4,030	14,852	1,579,790	9,498	2,275	40	71	47	157	486,17
Auburn	+	4: 1,383,165	60,692	58,971	43,164	7,203	5,902	13,105	1,614,347	8,544	2,817	41	79	42	162	1,513,77
Ball State	b+	5: 1,013,643	22,079	10,992	8,571	5,408	0	5,408	500,631	9,586	5,021	37	68	60	185	493,28
Baylor	bLM	6: 1,218,640	44,439	N/A	20,779	5,700	200	5,900	229,879	2,963	2,715	31	55	40	126	844,45
Boston College	L	7: 987,167	38,003	11,634	N/A	10,241	357	10,598	1,363,558	7,486	2,901	46	78	45	169	506,25
Bowling Green State	+	8: 1,422,889	69,377	62,266	14,625	13,436	400	13,836	1,354,978	8,160	14,302	56	51	62	168	715,16
Brandeis	b+	9: 798,869	24,535	23,545	21,698	N/A	N/A	N/A	733,647	4,335	3,891	28	38	31	98	501,25
Calgary	+	10: 1,427,227	73,900	N/A	N/A	N/A	N/A	N/A	1,678,754	N/A	N/A	39	220	N/A	259	481,31
Calif., Santa Cruz		11: 811,208	42,255	38,866	34,162	N/A	N/A	N/A	423,761	5,380	6,040	33	63	9	105	1,002,54
Calif. Inst. of Tech.		12: 414,086	13,545	N/A	N/A	N/A	N/A	N/A	457,538	6,177	3,421	17	35	2	54	178,33
Carleton	+	13: 1,312,818	41,799	38,996	32,362	11,949	N/A	11,949	536,967	10,989	6,396	33	119	12	164	756,52
Carnegie Mellon	+	14: 677,711	20,691	15,202	20,918	2,997	455	3,452	392,424	3,543	2,161	28	38	45	110	318,78
Catholic	L+	15: 1,109,885	16,590	8,437	10,374	6,093	1,500	7,593	550,672	3,509	2,345	34	49	31	114	237,45
City University of NY	+	16: 186,222	9,502	6,369	2,732	1,504	17	1,521	335,720	773	1,508	16	4	5	25	73,09
Claremont Colleges	+	17: 1,560,417	66,913	64,898	N/A	5,401	1,175	6,576	1,017,884	1,042	2,055	20	38	28	86	523,49
Clark		18: 449,830	10,666	10,027	6,403	N/A	N/A	N/A	44,283	3,017	2,630	10	17	27	54	173,62
Clemson	b	19: 646,083	21,208	19,722	16,000	7,057	0	7,057	1,036,560	5,208	4,552	24	59	16	99	478,64
Denver	L+	20: 1,185,785	55,651	54,955	48,258	11,890	0	11,890	1,040,237	8,620	3,332	24	49	31	104	325,32
Detroit	L+	21: 598,612	14,310	12,637	3,679	5,815	491	6,306	879,968	4,475	3,082	21	33	34	88	97,65
East Texas State	b	22: 614,346	17,769	15,474	12,670	6,734	230	6,964	646,828	6,476	2,985	16	23	29	68	156,04
Fordham	L+	23: 1,413,331	37,876	36,486	15,312	8,059	225	8,284	1,295,833	1,604	969	32	55	30	116	795,31
George Washington	L+	24: 1,163,035	32,727	31,914	22,988	9,853	1,213	11,066	703,421	5,286	2,093	29	82	35	166	533,23
Georgia State	L	25: 989,716	37,506	35,911	N/A	N/A	N/A	N/A	1,501,348	8,740	2,468	36	76	37	149	572,54

\+ - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

ACRL LIBRARY DATA TABLE

		EXPENDITURES												
dent sts.	Total Staff	Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
29	136	703,439	873,721	36,265	0	1,613,425	39,785	1,256,660	920,020	439,026	2,615,706	700,160	4,969,076	Akron
20	83	N/A	705,110	19,774	N/A	724,884	30,000	648,663	379,932	207,224	1,235,819	2,180,001	4,170,704	Alaska, Fairbanks
47	157	486,172	1,016,272	7,828	90,083	1,600,355	83,844	1,007,848	717,504	332,044	2,057,396	372,694	4,024,206	Arkansas, Fayetteville
42	162	1,513,779	853,578	112,264	0	2,479,621	126,268	1,051,720	913,138	256,642	2,221,500	1,110,736	5,938,125	Auburn
60	185	493,207	578,983	88,408	0	1,160,598	70,081	1,090,993	1,075,846	329,819	2,496,658	673,725	4,201,062	Ball State
40	126	844,457	419,660	306,710	N/A	1,570,827	46,000	734,815	729,725	266,939	1,731,479	793,603	4,141,909	Baylor
45	169	506,294	1,212,289	62,772	0	1,781,355	51,074	1,210,184	1,046,727	290,796	2,547,705	566,051	4,946,185	Boston College
62	168	715,164	590,000	0	0	1,305,164	54,669	1,363,381	871,049	293,041	2,527,471	1,484,557	5,371,861	Bowling Green State
31	98	501,299	572,756	41,770	0	1,115,825	64,658	711,168	527,926	271,509	1,510,601	530,613	3,221,697	Brandeis
N/A	259	481,372	1,359,988	3,005,463	N/A	4,846,823	N/A	1,070,730	2,959,262	N/A	4,250,340	1,166,141	10,263,304	Calgary
9	105	1,002,548	751,456	111,776	0	1,865,780	131,370	1,108,977	1,281,643	209,917	2,600,537	436,323	5,034,010	Calif., Santa Cruz
2	54	178,338	826,130	0	0	1,004,468	55,624	508,047	563,687	5,777	1,078,402	401,516	2,540,010	Calif. Inst. of Tech.
12	164	754,523	492,942	0	N/A	1,247,465	78,510	918,812	1,593,037	93,177	2,605,026	619,609	4,550,610	Carleton
45	110	318,708	556,629	78,569	N/A	953,906	0	508,186	549,356	110,989	1,168,532	646,591	2,769,029	Carnegie Mellon
31	114	237,458	580,833	15,000	0	833,291	27,697	794,143	572,264	249,000	1,473,784	130,007	2,464,779	Catholic
5	25	73,095	118,395	19,678	N/A	211,168	20,761	532,991	70,077	83,927	686,995	74,650	993,374	City University of NY
28	86	523,498	634,231	0	0	1,157,729	55,828	637,302	612,152	150,320	1,399,774	364,396	2,921,899	Claremont Colleges
27	54	173,626	268,623	350	N/A	442,599	38,083	250,913	207,656	140,478	599,047	159,215	1,238,944	Clark
16	99	478,663	972,131	23,236	0	1,474,030	47,917	626,267	781,258	104,805	1,512,330	712,418	3,746,695	Clemson
31	104	325,327	662,638	78,000	5,000	1,070,965	39,532	542,402	536,689	109,092	1,188,183	212,177	2,505,857	Denver
34	88	97,658	420,743	23,632	1,015	543,048	24,684	529,405	376,684	81,538	900,315	147,931	1,614,963	Detroit
29	68	156,068	393,930	3,924	0	553,922	42,835	416,556	262,765	168,096	847,417	162,518	1,606,692	East Texas State
30	116	795,318	748,877	295	0	1,544,490	95,612	561,450	759,396	52,530	1,707,067	224,294	3,571,463	Fordham
35	146	533,237	761,746	109,748	5,722	1,410,453	35,480	746,722	1,019,863	264,311	2,030,896	372,459	3,843,566	George Washington
37	149	572,547	1,197,839	22,932	0	1,793,318	80,143	1,045,069	1,029,487	247,546	2,322,102	561,226	4,756,789	Georgia State

ACRL LIBRARY DATA TABLE

INSTITUTION	Lib. No.	COLLECTIONS: Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Manographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units in Library	INTER-LIBRARY LOANS: Total Loaned	Total Borrowed	PERSONNEL (FTE): Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hofstra	bL+	26	952,921	24,120	21,621	23,502	9,734	N/A	9,734	1,098,705	1,568	2,656	66	66	28	148	463,494
Idaho	L+	27	724,677	27,028	23,328	898	N/A	N/A	N/A	1,385,113	11,056	3,308	24	48	17	89	526,617
Illinois, Chicago	M	28	1,469,666	52,339	47,486	42,976	8,563	9,116	17,679	1,453,833	29,415	15,139	73	173	47	293	1,997,401
Illinois State		29	1,371,484	37,291	33,691	25,024	5,922	407	6,329	1,917,709	16,415	8,696	34	76	37	147	798,981
Indiana State	b+	30	804,639	16,991	14,916	N/A	5,946	N/A	5,946	629,172	6,939	3,266	30	44	37	119	263,963
Kansas State		31	1,018,773	42,721	41,947	22,138	9,807	3,497	12,504	2,791,347	13,616	9,284	40	58	72	170	533,931
Lehigh		32	858,563	31,197	16,936	16,936	9,168	N/A	9,168	1,024,252	11,796	6,128	23	47	16	86	461,772
Louisville	LM	33	962,661	31,937	31,061	N/A	N/A	N/A	N/A	1,871,961	9,281	8,122	55	105	39	199	694,547
Loyola, Chicago	LM	34	930,716	34,245	27,999	19,678	N/A	N/A	N/A	1,050,048	5,617	3,821	43	56	31	130	749,283
Maine, Orono	+	35	646,000	21,500	20,486	15,000	4,500	7,700	12,200	1,400,000	8,700	5,600	20	43	13	77	488,163
Marquette	L+	36	786,042	4,002	395	17,066	7,496	294	7,788	58,691	7,141	4,191	33	49	32	113	357,358
Memphis State	L+	37	1,022,366	21,172	19,315	17,738	N/A	N/A	N/A	2,413,581	6,956	5,839	35	87	43	165	606,485
Miami, Ohio	b	38	1,087,014	29,142	25,842	29,142	N/A	N/A	N/A	1,787,141	8,102	4,163	31	52	50	133	677,788
Mississippi	bL+	39	745,860	34,690	30,657	11,935	8,450	633	9,083	1,353,824	3,374	3,004	32	31	49	115	397,567
Mississippi State	b	40	723,161	22,176	20,951	7,399	5,826	1,633	7,459	1,696,308	5,211	2,869	25	30	43	98	211,178
Missouri, Kansas City	LM+	41	808,166	34,920	27,637	23,241	N/A	N/A	N/A	1,392,782	15,352	7,562	30	44	28	103	687,386
Montana	bL+	42	683,231	16,580	14,667	6,538	4,587	1,108	5,695	23,114	7,073	4,911	18	37	39	95	143,825
Montana State	+	43	480,096	7,713	-1,424	7,685	4,337	3,534	7,871	223,023	7,692	4,354	22	39	16	77	224,990
Nevada, Reno	M+	44	776,690	23,652	13,203	13,000	5,707	100	5,807	2,103,490	9,194	2,593	25	47	29	100	458,551
New Brunswick, Fredericton	+	45	720,658	15,383	13,585	13,027	5,722	1,217	6,939	1,954,173	3,282	3,321	24	73	10	107	365,117
New Hampshire	b	46	890,544	22,079	18,529	11,226	N/A	N/A	N/A	649,857	6,883	3,102	19	54	75	148	470,470
New Mexico State	b	47	748,428	21,530	20,284	8,569	5,007	2,095	7,102	801,543	6,336	4,510	25	47	27	119	308,153
North Carolina, Greensboro	+	48	670,233	26,953	21,135	22,363	5,794	724	6,518	686,632	5,190	2,386	22	48	20	91	563,530
North Dakota	bLM	49	505,239	12,725	11,571	14,692	2,857	1,025	3,882	989,909	10,040	12,331	17	22	20	59	377,049
North Dakota State	b	50	392,205	9,617	6,149	9,617	3,526	1,056	4,582	134,635	13,339	14,067	24	20	16	60	161,002

+ - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

ACRL LIBRARY DATA TABLE

		EXPENDITURES												
udent sts.	Total Staff	Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
28	140	463,494	508,753	82,414	N/A	1,054,661	N/A	635,061	474,013	92,646	1,529,549	373,393	3,307,986	Manitoba
17	80	526,617	661,655	3,522	73,724	1,265,518	51,493	629,775	556,140	133,141	1,321,056	536,936	3,101,279	Idaho
47	293	1,597,481	1,423,672	20,329	N/A	3,041,482	150,817	2,149,971	2,428,646	551,140	5,129,757	1,154,124	9,476,180	Illinois, Chicago
37	147	790,551	582,929	127,603	0	1,421,083	53,712	1,175,251	1,335,757	244,469	2,755,477	274,819	4,505,091	Illinois State
37	119	263,963	529,299	54,722	0	847,984	49,726	747,049	489,787	175,359	1,412,195	294,633	2,604,538	Indiana State
72	170	533,931	1,101,400	71,750	19,750	1,726,831	88,770	921,862	804,477	399,860	2,126,199	636,328	4,558,378	Kansas State
16	86	461,772	799,000	57,965	N/A	1,318,737	932	527,561	533,074	108,639	1,169,274	322,736	2,811,679	Lehigh
39	199	694,547	917,674	96,905	156,325	1,863,451	62,726	1,433,982	989,965	303,901	2,727,848	748,814	5,246,514	Louisville
31	130	749,203	876,136	126,135	0	1,751,474	81,482	1,049,427	831,724	261,852	2,143,403	212,246	4,188,605	Loyola, Chicago
13	77	408,163	592,737	16,988	0	1,017,888	34,654	433,705	563,152	39,059	1,035,916	278,876	2,367,334	Maine, Orono
32	113	357,358	878,778	7,964	65,480	1,309,580	59,044	821,740	662,261	201,455	1,715,304	311,117	3,329,565	Marquette
63	165	606,405	778,620	110,453	N/A	1,495,478	43,700	844,711	1,070,820	113,715	2,029,246	745,105	4,313,529	Memphis State
58	133	677,700	505,000	143,333	0	1,326,033	60,800	564,910	848,780	348,151	1,761,841	928,872	4,077,546	Miami, Ohio
49	115	397,567	1,204,281	25,000	N/A	1,626,848	63,994	621,309	347,726	194,277	1,131,190	357,010	3,179,042	Mississippi
43	98	211,178	986,209	99,179	0	1,296,566	79,347	544,525	237,218	238,115	1,019,858	188,548	2,584,311	Mississippi State
28	103	687,386	796,365	200,162	0	1,683,913	39,413	671,314	564,326	276,091	1,511,731	760,312	3,995,369	Missouri, Kansas City
39	95	143,025	551,329	77,550	19,767	791,671	34,758	508,291	520,739	151,353	1,180,383	254,060	2,241,105	Montana
16	77	224,990	519,305	7,802	0	752,097	30,000	517,793	514,757	48,597	1,081,147	296,153	2,159,397	Montana State
29	100	458,551	636,429	0	N/A	1,094,980	54,581	688,064	773,617	122,893	1,972,816	191,278	3,313,575	Nevada, Reno
10	107	365,117	638,522	39,623	N/A	1,043,262	38,878	615,171	817,848	135,527	1,568,547	252,221	3,061,110	New Brunswick, Fredericton
75	148	470,670	646,021	3,993	116,604	1,237,088	35,220	518,880	544,386	113,897	1,177,163	81,384	2,414,251	New Hampshire
27	119	308,153	555,000	0	N/A	863,153	55,000	880,961	459,682	137,000	1,477,643	235,653	2,631,250	New Mexico State
20	91	563,530	515,827	33,722	0	1,113,079	25,800	639,060	727,007	87,568	1,453,635	666,679	3,259,193	North Carolina, Greensboro
20	59	377,049	322,168	0	N/A	699,217	N/A	392,499	217,451	153,578	763,528	78,323	1,541,068	North Dakota
16	60	161,002	448,600	20,200	N/A	629,802	28,898	488,620	266,380	90,935	846,135	224,707	1,729,542	North Dakota State

ACRL LIBRARY DATA TABLE

INSTITUTION		Lib. No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	Total Loaned	Total Borrowed	Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials
			1	2	3	4	5	✓ 6	7	8	9	10	11	12	13	14	15
North Texas State	b	51	1,381,002	61,038	60,726	N/A	4,279	514	4,793	482,806	9,437	2,631	37	73	75	185	915,3
Northeastern	†	52	547,673	13,828	12,455	11,242	4,854	393	5,247	1,288,417	5,094	2,536	45	52	72	168	281,6
Northern Colorado		53	533,670	13,387	11,956	11,400	2,850	N/A	2,850	794,451	8,248	4,351	17	33	5	55	344,2
Northern Illinois	L†	54	1,219,751	34,794	33,615	N/A	14,226	999	15,225	1,841,122	17,125	22,697	49	105	66	220	666,8
Ohio University	M†	55	987,898	46,126	41,533	N/A	N/A	N/A	N/A	1,319,107	23,864	8,719	32	51	54	136	762,7
Oregon State		56	1,847,823	36,942	34,791	31,184	8,847	9,786	18,633	1,378,748	10,408	4,579	31	49	41	121	577,1
Polytechnic University		57	171,695	4,342	4,342	4,520	1,283	112	1,315	31,513	675	533	10	8	11	29	65,8
Rensselaer Polytechnic	b†	58	352,519	11,834	10,263	5,311	3,464	202	3,666	N/A	5,949	4,547	17	32	15	64	268,4
Rhode Island		59	823,331	34,001	33,838	23,637	7,449	4,261	11,710	1,081,218	4,706	5,450	23	49	40	112	518,8
Rockefeller		60	227,482	8,076	4,184	4,122	1,956	0	1,956	1,349	3,397	1,001	7	20	0	27	79,7
St. John's	bL	61	921,963	30,889	25,802	17,001	3,977	N/A	3,977	1,371,113	2,376	1,734	61	69	27	137	843,2
St. Louis	L†	62	931,527	14,102	9,610	2,120	8,904	770	9,674	715,198	1,675	2,634	28	53	27	107	364,4
South Dakota	LM†	63	550,006	17,656	12,993	7,198	44,728	5,842	50,570	449,321	11,387	3,762	18	25	22	65	339,4
South Dakota State	†	64	382,970	14,490	14,152	14,490	3,001	461	3,462	328,179	4,015	5,555	11	14	13	38	280,2
South Florida	†	65	1,118,463	40,421	38,984	N/A	9,384	465	9,849	2,169,073	19,175	12,348	52	115	51	217	589,7
Southern Methodist	L†	66	1,377,789	46,986	39,730	26,860	5,297	1,498	6,795	519,104	7,875	3,319	46	61	31	138	1,188,9
SUNY-Binghamton		67	1,240,602	N/A	N/A	N/A	N/A	N/A	N/A	773,255	8,379	3,456	51	45	28	124	637,7
Texas Christian	†	68	638,909	14,618	14,283	10,504	N/A	N/A	N/A	140,176	5,496	2,475	22	32	19	72	349,4
Texas Tech	L†	69	1,649,340	45,908	40,587	45,908	0	0	0	903,481	10,835	3,388	32	54	52	138	929,3
Texas Woman's		70	729,251	10,789	10,037	4,881	4,428	0	4,428	373,030	6,866	3,570	15	36	24	75	109,4
Toledo	†	71	673,360	35,337	22,373	N/A	5,894	352	6,246	1,123,468	7,407	5,792	35	48	35	117	641,0
Tulsa	bL	72	684,747	38,286	35,986	33,587	4,130	1,386	5,516	1,505,809	5,137	5,683	26	44	23	93	857,3
Utah State	b†	73	940,444	36,570	35,089	17,905	4,886	2,457	7,343	1,251,142	5,742	4,238	20	32	34	86	592,5
Vermont	M†	74	922,137	38,099	34,219	20,320	1,362	177	1,539	824,500	13,873	4,619	29	62	21	111	645,4
Virginia Commonwealth	M†	75	741,784	34,050	33,404	24,207	10,995	0	10,995	1,152,432	16,928	4,755	90	77	36	202	1,117,3

† - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

ACRL LIBRARY DATA TABLE

		EXPENDITURES											
dent sts.	Total Staff	Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
75	185	915,334	442,017	60,552	N/A	1,417,903	N/A	877,618	831,538	300,345	2,009,501	483,904	3,911,308	North Texas State
72	168	281,031	684,749	43,581	0	1,009,361	36,720	1,050,547	714,843	390,758	2,156,148	212,835	3,415,064	Northeastern
5	55	344,205	299,114	152,609	0	795,928	26,953	501,891	593,921	37,583	1,133,395	281,315	2,237,591	Northern Colorado
66	220	666,864	1,298,761	39,736	0	2,005,361	59,499	1,371,069	1,287,965	341,005	3,153,354	512,147	5,730,361	Northern Illinois
54	136	762,773	568,965	0	0	1,331,738	37,483	801,543	1,586,631	173,354	1,759,985	1,205,586	4,334,712	Ohio University
41	121	577,156	1,086,038	187,656	0	1,850,850	54,336	832,650	704,684	295,677	1,833,011	976,630	4,712,827	Oregon State
11	29	65,000	227,000	0	N/A	292,000	6,400	311,345	114,318	34,800	460,463	72,400	831,463	Polytechnic University
15	64	268,493	630,067	6,304	0	904,864	0	293,585	502,882	41,518	837,985	346,073	2,088,922	Rensselaer Polytechnic
48	112	510,000	864,000	50,000	N/A	1,424,000	60,000	752,183	711,457	143,600	1,607,240	16,000	3,080,240	Rhode Island
0	27	79,740	306,465	365	0	386,570	30,934	190,000	294,853	0	484,853	141,690	1,044,047	Rockefeller
27	137	843,222	654,267	67,848	N/A	1,565,337	43,112	1,165,236	736,039	177,316	2,078,591	449,609	4,136,649	St. John's
27	187	364,436	522,691	91,513	N/A	978,640	36,472	432,481	570,229	66,215	1,438,745	222,012	2,705,069	St. Louis
22	65	339,484	552,716	17,438	0	909,638	27,756	401,397	313,433	58,725	773,537	166,383	1,877,233	South Dakota
13	38	280,259	347,958	10,000	0	637,817	25,897	267,518	123,521	71,995	463,026	151,655	1,278,395	South Dakota State
51	217	589,748	1,127,311	226,718	0	1,943,777	92,022	N/A	N/A	N/A	2,864,471	368,157	5,268,427	South Florida
31	138	1,180,975	747,421	133,534	N/A	2,061,930	108,649	1,115,852	844,636	206,476	2,211,083	767,379	5,149,041	Southern Methodist
28	126	637,750	1,290,000	0	N/A	1,927,750	N/A	N/A	N/A	N/A	1,892,473	211,000	N/A	SUNY-Binghamton
19	72	349,460	419,856	8,690	1,866,077	1,844,077	34,010	488,380	490,967	86,600	1,056,959	263,055	2,132,024	Texas Christian
52	138	929,375	854,484	0	0	1,783,859	54,862	964,194	593,250	382,478	1,939,923	400,256	4,129,038	Texas Tech
24	75	189,476	321,245	53,595	0	484,316	31,712	382,657	474,527	139,071	996,255	209,873	1,721,356	Texas Woman's
35	117	641,042	833,520	42,177	N/A	1,516,739	53,740	845,988	702,409	208,126	1,756,524	841,004	4,168,007	Toledo
23	93	857,349	667,636	8,228	18,692	1,551,905	18,685	581,061	593,366	110,131	1,284,558	231,971	3,068,427	Tulsa
34	86	592,554	637,953	85,172	136,338	1,452,017	55,920	519,514	372,568	130,026	1,022,908	402,813	2,797,320	Utah State
21	111	645,425	766,162	105,588	0	1,517,175	82,813	787,427	852,299	154,557	1,794,283	343,277	3,737,548	Vermont
36	202	1,117,358	990,327	111,457	0	2,219,142	64,830	1,777,461	875,466	184,349	2,837,276	1,793,598	6,914,846	Virginia Commonwealth

ACRL LIBRARY DATA TABLE

INSTITUTION		Libr No.	COLLECTIONS: Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units in Library	INTERLIBRARY LOANS: Total Loaned	Total Borrowed	PERSONNEL (FTE): Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Western Michigan	+	76	931,334	29,236	26,160	17,098	4,738	4,349	9,087	803,427	13,551	4,546	29	52	51	132	294,43
William and Mary		77	822,943	23,162	18,799	22,003	4,934	1,361	6,295	649,033	4,497	1,722	19	43	45	107	515,23
Windsor	+	78	841,039	N/A	N/A	26,000	N/A	N/A	N/A	901,116	5,864	3,086	23	73	10	106	416,87
Wisconsin: Milwaukee		79	1,513,614	43,482	37,175	29,730	7,942	1,792	9,734	1,078,735	3,793	9,069	35	58	40	133	995,53
Wyoming	L+	80	937,959	50,925	49,812	38,955	2,854	N/A	2,854	2,027,043	15,981	6,694	45	58	17	120	1,392,99
Yeshiva	LM+	81	830,961	26,787	N/A	N/A	6,628	N/A	6,628	611,131	3,214	3,431	27	40	6	73	281,73

+ - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

ACRL LIBRARY DATA TABLE

...ent...	Total Staff	EXPENDITURES: Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
51	132	296,438	546,202	0	15,164	855,796	45,480	923,480	752,511	285,160	1,961,150	736,362	3,583,624	Western Michigan
45	107	515,239	584,821	23,513	N/A	1,123,573	44,760	424,869	542,829	136,970	1,104,668	585,297	2,858,298	William and Mary
10	106	416,878	744,735	0	0	1,161,613	54,281	585,511	812,767	57,176	1,455,453	193,964	2,865,311	Windsor
40	133	595,533	704,862	120,297	N/A	1,419,892	61,043	858,883	999,298	411,522	2,269,623	815,160	4,565,718	Wisconsin, Milwaukee
17	120	1,392,993	1,451,524	68,956	295	2,913,768	82,962	1,115,898	621,487	165,766	1,903,151	263,627	5,163,213	Wyoming
6	73	201,735	651,845	97,501	0	951,081	43,268	766,687	652,302	27,198	1,446,187	237,212	3,055,575	Yeshiva

ACRL LIBRARY DATA TABLE
TOTALS

	COLLECTIONS								INTERLIBRARY LOANS		PERSONNEL (FTE)				
	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Net Purchased	Current Serials Total	Total Microform Units in Library	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Printed Materials
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
UNIVERSITY MEDIAN															UNIVERSITY MEDIAN
	841,039	29,142	22,542	17,833	5,804	678	6,951	989,909	6,947	3,791	29	49	31	113	497,2
UNIVERSITY HIGH															UNIVERSITY HIGH
	1,649,340	73,900	64,898	48,258	44,728	9,786	50,570	2,791,347	29,615	22,697	98	228	75	293	1,597,4
UNIVERSITY LOW															UNIVERSITY LOW
	171,695	4,002	395	898	0	0	0	1,349	675	533	7	4	0	25	65,0
TOTALS - UNIVERSITY LIBRARIES															TOTALS - UNIVERSITY LIBR
	71,473,721	2,343,349	1,910,802	1,205,018	425,519	87,511	513,030	78,721,312	634,907	390,286	2,487	4,500	2,572	9,557	62,338,3

ACRL LIBRARY DATA TABLE
TOTALS

dent ts.	Total Staff	EXPENDITURES: Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses
13	14	15	16	17	18	19	20	21	22	23	24	25	26
UNIVERSITY MEDIAN						UNIVERSITY MEDIAN							
31	113	497,253	651,845	39,623	0	1,305,164	48,821	688,064	662,261	154,067	1,529,549	364,396	3,310,780
UNIVERSITY HIGH						UNIVERSITY HIGH							
75	293	1,597,481	1,451,524	3,005,463	1,066,077	4,846,823	150,817	2,149,971	2,959,262	551,140	5,129,757	2,180,001	10,263,304
UNIVERSITY LOW						UNIVERSITY LOW							
0	25	65,000	118,395	0	0	211,168	0	190,000	70,077	0	460,463	16,000	831,463
TALS - UNIVERSITY LIBRARIES						TOTALS - UNIVERSITY LIBRARIES							
,572	9,567	42,330,307	57,288,715	7,406,736	1,790,036	108,815,794	3,938,839	60,281,933	57,325,470	14,299,256	137,342,502	38,907,102	283,965,900

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ACRL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for these university libraries.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	36	25	15
2. Nonprofessional Staff as percent of Total Staff	85	46	30
3. Student Assistant Staff as percent of Total Staff	37	30	21
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	1.1:1	0.6:1	0.2:1
5. Ratio of Items Loaned to Items Borrowed	4.2:1	1.4:1	0.6:1
6. Serials Expenditures as percent of Materials Expenditures	97	51	27
7. Materials Expenditures as percent of Total Operating Expenditures	47	35	17
8. Contract Binding as percent of Total Operating Expenditures	2.1	1.1	0.7
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	59	47	30
10. Other Operating Expenditures as percent of Total Operating Expenditures	52	15	9
11. Unit cost of monographs (per volume)	57.54	35.07	23.10
12. Unit cost of serials (per title)	118.50	100.48	43.91

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ACRL libraries.

Ph.D. AND ENROLLMENT STATISTICS *

INSTITUTION		Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986 Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
Akron	†	60	3	801	15,231	3,893	1,557	517
Alaska, Fairbanks		12	7	200	3,240	494	257	77
Arkansas, Fayetteville		92	20	785	11,456	874	849	389
Auburn		59	27	1,158	16,583	1,033	741	414
Ball State		16	4	710	14,026	1,428	552	543
Baylor		15	5	590	10,668	446	954	191
Boston College		67	14	566	10,794	2,463	912	1,199
Bowling Green State		69	12	690	15,300	1,983	942	1,041
Brandeis		94	17	346	2,857	82	661	41
Calgary		N/A	N/A	N/A	14,102	2,923	1,310	509
Calif., Santa Cruz		48	12	332	6,429	553	621	13
Calif. Inst. of Tech.		48	20	313	833	0	981	0
Carleton	†	44	15	657	10,259	595	1,120	325
Carnegie Mellon		115	27	482	4,221	75	1,483	221
Catholic		121	15	408	4,795	1,016	1,550	691
City University of NY	†	232	30	322	2,837	N/A	2,784	N/A
Claremont Colleges		117	16	500	4,251	891	321	803
Clark		22	8	155	2,523	315	265	81
Clemson		56	27	688	10,970	641	1,107	269
Denver	†	99	12	382	7,049	345	3,921	345
Detroit		9	4	239	2,880	1,237	292	566
East Texas State		0	0	283	3,655	1,642	3,541	597
Fordham		122	27	458	6,973	1,822	832	1,014
George Washington		85	33	764	7,362	2,815	1,856	1,814
Georgia State		96	51	729	9,081	5,669	2,059	1,040
Hofstra		24	5	423	7,166	3,944	398	503
Idaho		31	21	371	6,493	808	544	200
Illinois, Chicago		132	43	1,752	17,781	1,720	2,196	1,409
Illinois State		19	2	936	21,278	0	2,287	0
Indiana State		44	21	670	7,749	1,870	544	1,151
Kansas State	†	136	29	2,200	13,754	N/A	2,932	N/A
Lehigh	†	68	26	400	4,465	N/A	1,927	N/A
Louisville		45	14	997	11,598	2,849	2,498	525
Loyola, Chicago		58	19	799	8,177	1,948	673	711
Maine, Orono	†	22	15	579	8,731	824	621	545
Marquette		52	11	587	9,667	854	511	501
Memphis State		25	8	737	11,586	3,628	354	1,041
Miami, Ohio		N/A	10	753	13,723	607	855	791
Mississippi	†	69	11	428	8,344	997	259	191
Mississippi State		70	20	843	9,947	525	1,076	193
Missouri, Kansas City		20	12	460	6,034	1,894	595	712
Montana	†	29	10	336	7,227	N/A	981	2
Montana State		31	16	668	9,552	891	474	197
Nevada,Reno		21	17	322	5,330	3,397	279	353
New Brunswick,Fredericton	†	6	15	475	7,569	4,339	472	N/A
New Hampshire		31	21	570	8,974	1,510	580	463

* These figures were reported on ACRL questionaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

† - See footnotes

Ph.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
New Mexico State	57	16	554	9,952	1,040	934	249
North Carolina,Greensboro	30	8	526	6,918	1,818	628	689
North Dakota	28	15	440	9,016	707	243	341
North Dakota State	29	15	443	7,349	379	172	381
North Texas State	161	27	750	11,600	1,720	2,104	1,790
Northeastern	47	14	761	18,205	7,309	1,689	952
Northern Colorado	12	4	390	7,621	494	494	105
Northern Illinois	20	9	1,071	17,309	2,975	477	N/A
Ohio University	28	19	593	13,773	558	1,755	109
Oregon State	182	49	1,055	15,217	456	1,909	168
Polytechnic University	43	34	224	2,265	991	325	483
Rensselaer Polytechnic	106	25	360	6,200	220	1,395	203
Rhode Island	61	28	757	9,499	963	1,046	645
Rockefeller †	19	27	0	101	0	101	101
St. John's	25	3	622	14,235	1,980	572	1,081
St. Louis	112	19	357	4,177	378	225	259
South Dakota †	7	10	415	5,308	864	324	129
South Dakota State	10	3	332	5,849	594	246	273
South Florida	58	17	1,394	14,590	4,899	1,070	965
Southern Methodist	47	17	468	7,118	675	686	450
SUNY-Binghamton	66	14	505	9,354	1,142	1,166	756
Texas Christian	110	5	384	6,074	720	447	317
Texas Tech	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Texas Woman's	79	31	434	3,596	2,112	4,199	3,509
Toledo	42	14	589	12,725	3,392	573	577
Tulsa	15	8	340	3,293	106	717	253
Utah State	60	61	517	7,818	1,712	669	336
Vermont	42	16	517	8,321	834	389	215
Virginia Commonwealth	90	23	1,432	10,791	2,870	1,276	1,004
Western Michigan	19	4	729	13,629	2,636	991	688
William and Mary	15	3	372	5,804	292	541	152
Windsor	33	11	533	7,663	1,960	481	253
Wisconsin, Milwaukee	55	16	744	14,975	4,233	1,082	898
Wyoming †	60	28	595	10,109	N/A	1,441	1,136
Yeshiva	112	6	N/A	3,828	208	2,258	155

* These figures were reported on ACRL questionaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

† - See footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the seventeen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library
Table 2 - Volumes Added (Gross)
Table 3 - Current Serials (Total)
Table 4 - Total Microform Holdings
Table 5 - Materials Expenditures
Table 6 - Salaries & Wages Expenditures
Table 7 - Other Operating Expenditures
Table 8 - Total Expenditures
Table 9 - Monographs Purchased (Volumes)
Table 10 - Expenditures For Monographs
Table 11 - Serials Purchased (Titles)
Table 12 - Expenditures for Serials
Table 13 - Total Items Loaned
Table 14 - Total Items Borrowed
Table 15 - Professional Staff (FTE)
Table 16 - Nonprofessional Staff (FTE)
Table 17 - Total Staff

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Akron	38	35	N/A	42	21	8	19	12	18	18	N/A	19	15	12	25	15	25
Alaska, Fairbanks	68	70	N/A	N/A	71	55	1	24	N/A	N/A	N/A	34	49	33	38	65	63
Arkansas, Fayetteville	18	9	5	13	22	22	38	30	29	42	7	12	22	71	16	19	16
Auburn	8	5	7	12	4	16	7	4	3	2	22	22	29	59	14	10	15
Ball State	25	49	46	62	47	13	31	22	52	41	36	52	21	24	19	7	7
Baylor	15	13	42	71	23	36	12	26	26	10	35	72	73	60	35	31	31
Boston College	28	21	15	22	16	11	25	13	N/A	39	8	6	36	57	8	11	10
Bowling Green State	6	2	6	23	41	12	3	6	40	17	3	49	32	3	3	39	11
Brandeis	48	44	N/A	50	50	44	28	43	24	40	N/A	53	63	39	44	59	54
Calgary	5	1	N/A	11	1	2	5	1	N/A	43	N/A	3	N/A	N/A	18	1	2
Calif., Santa Cruz	45	16	N/A	66	10	10	33	11	6	6	N/A	30	53	17	28	23	49
Calif. Inst. of Tech.	75	67	N/A	64	58	65	35	60	N/A	71	N/A	24	46	45	71	64	76
Carleton	12	17	10	60	44	9	23	18	8	15	4	67	17	15	28	3	14
Carnegie Mellon	61	55	55	67	60	60	21	55	25	60	54	55	66	72	44	59	44
Catholic	20	59	26	59	67	46	76	62	50	67	26	51	67	70	25	41	40

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
City University of NY	80	75	60	69	81	77	79	79	64	79	59	81	79	77	75	81	81
Claremont Colleges	2	3	35	38	48	52	41	50	N/A	36	37	46	78	74	64	59	60
Clark	74	73	N/A	76	78	78	72	77	61	72	N/A	79	72	64	79	78	76
Clemson	63	53	30	36	30	42	18	34	36	44	23	15	56	29	52	26	53
Denver	16	6	11	35	53	56	64	61	1	59	5	38	28	47	52	41	50
Detroit	67	64	38	44	76	71	74	73	63	77	31	70	62	54	63	66	59
East Texas State	66	56	31	56	75	72	71	74	44	74	24	73	44	56	75	74	70
Fordham	7	22	23	26	26	38	60	37	37	12	18	31	76	79	31	31	38
George Washington	17	34	13	52	36	23	39	33	20	34	9	29	54	73	41	9	20
Georgia State	26	23	N/A	15	14	14	26	14	N/A	31	N/A	8	26	68	21	13	17
Hofstra	30	45	17	31	54	41	37	41	17	46	10	64	77	61	8	22	21
Idaho	55	41	N/A	19	43	53	27	45	66	35	N/A	39	16	50	52	56	64
Illinois, Chicago	4	7	3	16	2	1	6	2	4	1	16	2	1	2	2	2	1
Illinois State	11	24	37	7	33	6	51	19	14	13	28	66	6	10	25	13	19
Indiana State	47	58	41	57	66	51	48	58	N/A	66	27	60	41	51	38	52	35
Kansas State	24	15	8	1	18	20	22	17	22	33	13	10	10	7	16	27	9
Lehigh	40	37	20	37	39	59	45	53	35	47	12	25	13	16	57	48	60
Louisville	29	36	N/A	33	11	7	15	8	N/A	19	N/A	16	24	11	4	5	6
Loyola, Chicago	35	31	N/A	34	17	19	63	23	28	16	N/A	18	51	40	13	30	30
Maine, Orono	64	52	9	17	56	67	50	64	38	50	45	48	27	20	64	54	65
Marquette	49	79	25	75	40	37	46	39	33	55	20	17	38	37	28	41	41
Memphis State	23	54	N/A	2	29	24	16	21	31	26	N/A	27	40	18	22	8	13
Miami, Ohio	21	40	N/A	9	38	33	9	29	11	21	N/A	65	33	38	35	36	27
Mississippi	52	30	22	24	20	62	42	44	45	51	17	7	69	55	31	71	39
Mississippi State	56	48	27	10	42	69	69	59	55	69	30	14	55	58	49	72	54

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Missouri, Kansas City	46	28	N/A	18	19	43	14	31	19	20	N/A	26	8	13	38	50	51
Montana	59	60	44	78	69	57	54	65	57	75	44	58	39	25	69	62	56
Montana State	73	77	24	72	70	64	47	67	54	68	47	62	35	34	60	58	65
Nevada,Reno	50	46	43	4	52	26	68	40	43	48	34	45	25	65	49	48	52
New Brunswick,Fredericton	57	61	32	6	55	40	55	48	42	53	33	43	70	48	52	15	45
New Hampshire	39	49	N/A	54	45	58	77	63	48	45	N/A	42	42	52	67	33	18
New Mexico State	51	51	29	47	64	45	57	57	53	61	39	56	45	32	49	21	35
North Carolina,Greensboro	60	42	36	53	51	48	20	42	21	32	32	63	57	69	60	46	58
North Dakota	72	69	52	40	72	76	78	75	39	52	55	75	20	6	71	75	74
North Dakota State	76	74	49	74	74	73	59	71	51	73	51	68	12	4	52	76	73
North Texas State	9	4	48	63	35	25	30	32	N/A	8	48	69	23	63	19	15	7
Northeastern	70	66	47	27	57	18	62	38	47	63	42	36	59	66	11	36	11
Northern Colorado	71	68	57	48	68	61	49	66	46	57	57	78	31	35	71	66	75
Northern Illinois	14	29	4	8	7	3	29	5	N/A	22	2	4	4	1	7	5	3
Ohio University	27	11	N/A	25	37	34	4	20	N/A	14	N/A	54	2	9	31	39	25
Oregon State	22	25	2	20	12	31	8	15	9	30	15	11	19	28	35	41	33
Polytechnic University	81	78	61	77	80	81	80	80	60	80	61	80	80	80	79	80	79
Rensselaer Polytechnic	78	71	53	N/A	63	74	43	69	58	65	52	47	47	30	71	68	72
Rhode Island	43	33	12	39	32	39	81	46	16	38	21	20	60	23	57	41	42
Rockefeller	79	76	58	79	79	79	75	78	62	78	58	77	68	78	81	76	80
St. John's	37	38	51	21	24	21	32	27	34	11	50	40	74	75	14	20	24
St. Louis	33	65	19	51	59	50	61	56	65	54	14	61	75	62	44	35	45
South Dakota	69	57	1	65	62	75	70	70	56	58	1	57	14	41	69	73	71
South Dakota State	77	63	54	70	73	80	73	76	41	64	53	74	64	21	78	79	78
South Florida	19	18	16	3	8	4	40	7	N/A	29	11	9	3	5	5	4	4

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Southern Methodist	10	10	33	61	6	17	13	10	12	4	38	32	34	49	8	25	22
SUNY-Binghamton	13	N/A	N/A	49	9	30	65	N/A	N/A	25	N/A	5	30	43	6	51	32
Texas Christian	65	62	N/A	73	13	66	53	68	49	56	N/A	71	52	67	60	68	69
Texas Tech	1	12	62	41	15	28	36	28	2	7	62	21	18	46	31	33	22
Texas Woman's	54	72	50	68	77	70	66	72	59	76	46	76	43	42	77	63	67
Toledo	62	27	40	30	28	35	10	25	N/A	24	29	23	37	19	22	46	37
Tulsa	58	19	45	14	25	54	58	47	7	9	49	37	58	22	48	52	57
Utah State	31	26	28	28	31	68	34	54	30	28	41	44	49	36	64	68	60
Vermont	36	20	59	45	27	32	44	35	27	23	60	28	9	27	41	24	43
Virginia Commonwealth	53	32	14	29	5	5	2	3	15	5	6	13	5	26	1	12	5
Western Michigan	34	39	21	46	65	27	17	36	32	62	43	59	11	31	41	36	29
William and Mary	44	47	39	55	49	63	24	52	23	37	40	50	61	76	67	54	45
Windsor	41	N/A	N/A	43	46	47	67	51	13	49	N/A	33	48	53	57	15	48
Wisconsin, Milwaukee	3	14	17	32	34	15	11	16	10	27	19	35	65	8	22	27	27
Wyoming	32	8	56	5	3	29	52	9	5	3	56	1	7	14	11	27	34
Yeshiva	42	43	34	58	61	49	56	49	N/A	70	25	41	71	44	47	56	68

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- over 1,300
2- 1,100-1,299
3- 900-1,099
4- 700-899
5- 500-699
6- 300- 499
7- 299 and under

Gp	Rank	Institution	Value
1	1	Texas Tech	1,649,340
	2	Claremont Colleges	1,560,417
	3	Wisconsin, Milwaukee	1,513,614
	4	Illinois, Chicago	1,469,666
	5	Calgary	1,427,227
	6	Bowling Green State	1,422,889
	7	Fordham	1,413,331
	8	Auburn	1,383,165
	9	North Texas State	1,381,002
	10	Southern Methodist	1,377,789
	11	Illinois State	1,371,406
	12	Carleton	1,312,818
2	13	SUNY-Binghamton	1,240,602
	14	Northern Illinois	1,219,751
	15	Baylor	1,218,640
	16	Denver	1,185,785
	17	George Washington	1,163,035
	18	Arkansas, Favetteville	1,132,597
	19	South Florida	1,118,463
	20	Catholic	1,109,885
3	21	Miami, Ohio	1,087,014
	22	Oregon State	1,047,823
	23	Memphis State	1,022,366
	24	Kansas State	1,018,773
	25	Ball State	1,013,643
	26	Georgia State	989,716
	27	Ohio University	987,898
	28	Boston College	987,167
	29	Louisville	962,661
	30	Hofstra	952,921
	31	Utah State	940,444
	32	Wyoming	937,959
	33	St. Louis	931,527
	34	Western Michigan	931,334
	35	Loyola, Chicago	930,716
	36	Vermont	922,137
	37	St. John's	921,963
	38	Akron	906,310
4	39	New Hampshire	890,544
	40	Lehigh	858,553
	41	Windsor	841,039
	42	Yeshiva	830,961
	43	Rhode Island	823,331
	44	William and Mary	822,943
	45	Calif., Santa Cruz	811,208
	46	Missouri, Kansas City	808,166
	47	Indiana State	804,639
	48	Brandeis	798,869
	49	Marquette	786,042
	50	Nevada,Reno	776,690
	51	New Mexico State	748,428
	52	Mississippi	745,860
	53	Virginia Commonwealth	741,784
	54	Texas Woman's	729,251
	55	Idaho	724,677
	56	Mississippi State	723,161
	57	New Brunswick,Fredericton	720,658
5	58	Tulsa	684,747
	59	Montana	683,231
	60	North Carolina,Greensboro	678,233
	61	Carnegie Mellon	677,711
	62	Toledo	673,360
	63	Clemson	646,083
	64	Maine, Orono	646,000
	65	Texas Christian	638,909
	66	East Texas State	614,346
	67	Detroit	598,612
	68	Alaska, Fairbanks	588,198
	69	South Dakota	550,006
	70	Northeastern	547,673
	71	Northern Colorado	533,670
	72	North Dakota	505,239
6	73	Montana State	480,096
	74	Clark	449,830
	75	Calif. Inst. of Tech.	414,086
	76	North Dakota State	392,205
	77	South Dakota State	382,970
	78	Rensselaer Polytechnic	352,519
7	79	Rockefeller	227,482
	80	City University of NY	186,222
	81	Polytechnic University	171,695

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 70,000 and over
2- 60,000-69,999
3- 50,000-59,999
4- 40,000-49,999
5- 30,000-39,999
6- 20,000-29,999
7- 10,000-19,999
8- 0-9,999

Gp	Rank	Institution	Value
1	1	Calgary	73,900
2	2	Bowling Green State	69,377
	3	Claremont Colleges	66,913
	4	North Texas State	61,038
	5	Auburn	60,692
3	6	Denver	55,451
	7	Illinois, Chicago	52,339
	8	Wyoming	50,925
4	9	Arkansas, Fayetteville	49,768
	10	Southern Methodist	46,986
	11	Ohio University	46,126
	12	Texas Tech	45,908
	13	Baylor	44,639
	14	Wisconsin, Milwaukee	43,682
	15	Kansas State	42,721
	16	Calif., Santa Cruz	42,255
	17	Carleton	41,799
	18	South Florida	40,421
5	19	Tulsa	38,286
	20	Vermont	38,099
	21	Boston College	38,003
	22	Fordham	37,876
	23	Georgia State	37,506
	24	Illinois State	37,291
	25	Oregon State	36,942
	26	Utah State	36,570
	27	Toledo	35,337
	28	Missouri, Kansas City	34,920
	29	Northern Illinois	34,794
	30	Mississippi	34,690
	31	Loyola, Chicago	34,245
	32	Virginia Commonwealth	34,050
	33	Rhode Island	34,001
	34	George Washington	32,727
	35	Akron	32,394
	36	Louisville	31,937
	37	Lehigh	31,197
	38	St. John's	30,889
6	39	Western Michigan	29,234
	40	Miami, Ohio	29,142
	41	Idaho	27,028
	42	North Carolina,Greensboro	26,953
	43	Yeshiva	26,787
	44	Brandeis	24,535
	45	Hofstra	24,120
	46	Nevada,Reno	23,652
	47	William and Mary	23,162
	48	Mississippi State	22,176
	49	Ball State	22,079
	50	New Hampshire	22,079
	51	New Mexico State	21,530
	52	Maine, Orono	21,500
	53	Clemson	21,208
	54	Memphis State	21,172
	55	Carnegie Mellon	20,691
7	56	East Texas State	17,769
	57	South Dakota	17,656
	58	Indiana State	16,991
	59	Catholic	16,590
	60	Montana	16,580
	61	New Brunswick,Fredericton	15,383
	62	Texas Christian	14,618
	63	South Dakota State	14,490
	64	Detroit	14,310
	65	St. Louis	14,102
	66	Northeastern	13,828
	67	Calif. Inst. of Tech.	13,545
	68	Northern Colorado	13,387
	69	North Dakota	12,725
	70	Alaska, Fairbanks	12,512
	71	Rensselaer Polytechnic	11,034
	72	Texas Women's	10,789
	73	Clark	10,466
8	74	North Dakota State	9,617
	75	City University of NY	9,502
	76	Rockefeller	8,076
	77	Montana State	7,713
	78	Polytechnic University	4,342
	79	Marquette	4,002
		SUNY-Binghamton	N/A
		Windsor	N/A

RANK ORDER TABLE 3: CURRENT SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 17,000 and over
2- 15,000-16,999
3- 13,000-14,999
4- 11,000-12,999
5- 9,000-10,999
6- 7,000-8,999
7- 5,000-6,999
8- 3,000-4,999
9- 0-2,999

Gp	Rank	Institution	Value
1	1	South Dakota	50,570
	2	Oregon State	18,633
	3	Illinois, Chicago	17,679
2	4	Northern Illinois	15,225
3	5	Arkansas, Fayetteville	14,852
	6	Bowling Green State	13,836
	7	Auburn	13,105
4	8	Kansas State	12,504
	9	Maine, Orono	12,200
	10	Carleton	11,949
	11	Denver	11,890
	12	Rhode Island	11,710
	13	George Washington	11,066
5	14	Virginia Commonwealth	10,995
	15	Boston College	10,598
	16	South Florida	9,849
	17	Hofstra	9,734
	17	Wisconsin, Milwaukee	9,734
	19	St. Louis	9,674
	20	Lehigh	9,168
	21	Western Michigan	9,087
	22	Mississippi	9,083
6	23	Fordham	8,284
	24	Montana State	7,871
	25	Marquette	7,788
	26	Catholic	7,593
	27	Mississippi State	7,459
	28	Utah State	7,343
	29	New Mexico State	7,102
	30	Clemson	7,057
7	31	East Texas State	6,964
	32	New Brunswick,Fredericton	6,939
	33	Southern Methodist	6,795
	34	Yeshiva	6,628
	35	Claremont Colleges	6,576
	36	North Carolina,Greensboro	6,518
	37	Illinois State	6,329
	38	Detroit	6,306
	39	William and Mary	6,295
	40	Toledo	6,246
	41	Indiana State	5,946
	42	Baylor	5,900
	43	Nevada,Reno	5,807
	44	Montana	5,695
	45	Tulsa	5,516
	46	Ball State	5,408
	47	Northeastern	5,247
8	48	North Texas State	4,793
	49	North Dakota State	4,582
	50	Texas Woman's	4,428
	51	St. John's	3,977
	52	North Dakota	3,882
	53	Rensselaer Polytechnic	3,666
	54	South Dakota State	3,462
	55	Carnegie Mellon	3,452
9	56	Wyoming	2,854
	57	Northern Colorado	2,850
	58	Rockefeller	1,956
	59	Vermont	1,539
	60	City University of NY	1,521
	61	Polytechnic University	1,315
	62	Texas Tech	0
		Akron	N/A
		Alaska, Fairbanks	N/A
		Brandeis	N/A
		Calgary	N/A
		Calif., Santa Cruz	N/A
		Calif. Inst. of Tech.	N/A
		Clark	N/A
		Georgia State	N/A
		Idaho	N/A
		Louisville	N/A
		Loyola, Chicago	N/A
		Memphis State	N/A
		Miami, Ohio	N/A
		Missouri, Kansas City	N/A
		New Hampshire	N/A
		Ohio University	N/A
		SUNY-Binghamton	N/A
		Texas Christian	N/A
		Windsor	N/A

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RANK ORDER TABLE 4: MICROFORM HOLDINGS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 1,800 and over
2- 1,500-1,799
3- 1,200-1,499
4- 900-1,199
5- 600-899
6- 300-599
7- 1-300

Gp	Rank	Institution	Value
1	1	Kansas State	2,791,347
	2	Memphis State	2,413,581
	3	South Florida	2,169,073
	4	Nevada,Reno	2,103,490
	5	Wyoming	2,027,043
	6	New Brunswick,Fredericton	1,956,173
	7	Illinois State	1,917,709
	8	Northern Illinois	1,841,122
2	9	Miami, Ohio	1,787,141
	10	Mississippi State	1,696,300
	11	Calgary	1,678,754
	12	Auburn	1,614,347
	13	Arkansas, Fayetteville	1,579,790
	14	Tulsa	1,505,809
	15	Georgia State	1,501,348
3	16	Illinois, Chicago	1,453,833
	17	Maine, Orono	1,400,000
	18	Missouri, Kansas City	1,392,782
	19	Idaho	1,385,113
	20	Oregon State	1,378,740
	21	St. John's	1,371,113
	22	Boston College	1,363,558
	23	Bowling Green State	1,354,978
	24	Mississippi	1,353,824
	25	Ohio University	1,319,107
	26	Fordham	1,295,833
	27	Northeastern	1,288,417
	28	Utah State	1,251,142
4	29	Virginia Commonwealth	1,152,432
	30	Toledo	1,123,468
	31	Hofstra	1,098,705
	32	Wisconsin, Milwaukee	1,078,735
	33	Louisville	1,071,961
	34	Loyola, Chicago	1,050,048
	35	Denver	1,040,237
	36	Clemson	1,036,560
	37	Lehigh	1,024,252
	38	Claremont Colleges	1,017,884
	39	Rhode Island	1,001,218
	40	North Dakota	989,909
	41	Texas Tech	903,481
5	42	Akron	902,980
	43	Windsor	901,116
	44	Detroit	879,968
	45	Vermont	824,500
	46	Western Michigan	803,427
	47	New Mexico State	801,543
	48	Northern Colorado	794,451
	49	SUNY-Binghamton	773,255
	50	Brandeis	733,647
	51	St. Louis	715,198
	52	George Washington	703,421
	53	North Carolina,Greensboro	686,632
	54	New Hampshire	649,857
	55	William and Mary	649,033
	56	East Texas State	646,828
	57	Indiana State	629,172
	58	Yeshiva	611,131
6	59	Catholic	550,672
	60	Carleton	536,947
	61	Southern Methodist	519,104
	62	Ball State	500,631
	63	North Texas State	482,806
	64	Calif. Inst. of Tech.	457,538
	65	South Dakota	449,321
	66	Calif., Santa Cruz	423,761
	67	Carnegie Mellon	392,424
	68	Texas Woman's	373,030
	69	City University of NY	335,720
	70	South Dakota State	328,179
7	71	Baylor	229,879
	72	Montana State	223,023
	73	Texas Christian	140,176
	74	North Dakota State	134,635
	75	Marquette	58,691
	76	Clark	44,283
	77	Polytechnic University	31,513
	78	Montana	23,114
	79	Rockefeller	1,349
		Alaska, Fairbanks	N/A
		Rensselaer Polytechnic	N/A

RANK ORDER TABLE 5: MATERIALS EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 2,100 and over
2- 1,900-2,099
3- 1,700-1,899
4- 1,500-1,699
5- 1,300-1,499
6- 1,100-1,299
7- 900-1100
8- 700- 899
9- 500- 699
10- 300- 499
11- 0- 399

Gp	Rank	Institution	Value
1	1	Calgary	4,846,823
	2	Illinois, Chicago	3,041,482
	3	Wyoming	2,913,768
	4	Auburn	2,479,621
	5	Virginia Commonwealth	2,219,142
2	6	Southern Methodist	2,061,930
	7	Northern Illinois	2,005,361
	8	South Florida	1,963,777
	9	SUNY-Binghamton	1,927,750
3	10	Calif., Santa Cruz	1,865,780
	11	Louisville	1,863,451
	12	Oregon State	1,850,850
	13	Texas Christian	1,844,077
	14	Georgia State	1,793,318
	15	Texas Tech	1,783,859
	16	Boston College	1,781,355
	17	Loyola, Chicago	1,751,474
	18	Kansas State	1,726,831
4	19	Missouri, Kansas City	1,683,913
	20	Mississippi	1,626,848
	21	Akron	1,613,425
	22	Arkansas, Favetteville	1,600,355
	23	Baylor	1,570,827
	24	St. John's	1,565,337
	25	Tulsa	1,551,905
	26	Fordham	1,544,490
	27	Vermont	1,517,175
	28	Toledo	1,516,739
5	29	Memphis State	1,495,478
	30	Clemson	1,474,030
	31	Utah State	1,452,017
	32	Rhode Island	1,424,000
	33	Illinois State	1,421,083
	34	Wisconsin, Milwaukee	1,419,892
	35	North Texas State	1,417,903
	36	George Washington	1,410,453
	37	Ohio University	1,331,738
	38	Miami, Ohio	1,326,033
	39	Lehigh	1,318,737
	40	Marquette	1,309,580
	41	Bowling Green State	1,305,164
6	42	Mississippi State	1,296,558
	43	Idaho	1,265,518
	44	Carleton	1,247,465
	45	New Hampshire	1,237,088
	46	Windsor	1,161,613
	47	Ball State	1,160,598
	48	Claremont Colleges	1,157,729
	49	William and Mary	1,123,573
	50	Brandeis	1,115,825
	51	North Carolina,Greensboro	1,113,079
7	52	Nevada,Reno	1,094,980
	53	Denver	1,070,965
	54	Hofstra	1,054,661
	55	New Brunswick,Fredericton	1,043,262
	56	Maine, Orono	1,017,888
	57	Northeastern	1,009,361
	58	Calif. Inst. of Tech.	1,004,468
	59	St. Louis	978,640
	60	Carnegie Mellon	953,906
	61	Yeshiva	951,081
	62	South Dakota	909,638
	63	Rensselaer Polytechnic	904,864
8	64	New Mexico State	863,153
	65	Western Michigan	855,796
	66	Indiana State	847,984
	67	Catholic	833,291
	68	Northern Colorado	795,928
	69	Montana	791,671
	70	Montana State	752,097
	71	Alaska, Fairbanks	724,884
9	72	North Dakota	699,217
	73	South Dakota State	637,817
	74	North Dakota State	629,802
	75	East Texas State	553,922
	76	Detroit	543,048
10	77	Texas Woman's	484,316
	78	Clark	442,599
	79	Rockefeller	386,570
11	80	Polytechnic University	292,000
	81	City University of NY	211,168

RANK ORDER TABLE 6: SALARIES AND WAGES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 5,000 and over
2- 4,000-4,999
3- 3,000-3,999
4- 2,000-2,999
5- 1,000-1,999
6- 0- 999

Gp	Rank	Institution	Value
1	1	Illinois, Chicago	5,129,757
2	2	Calgary	4,250,340
3	3	Northern Illinois	3,153,354
4	4	South Florida	2,866,471
	5	Virginia Commonwealth	2,837,276
	6	Illinois State	2,755,477
	7	Louisville	2,727,848
	8	Akron	2,615,706
	9	Carleton	2,605,026
	10	Calif., Santa Cruz	2,600,537
	11	Boston College	2,547,705
	12	Bowling Green State	2,527,471
	13	Ball State	2,496,658
	14	Georgia State	2,322,102
	15	Wisconsin, Milwaukee	2,269,623
	16	Auburn	2,221,500
	17	Southern Methodist	2,211,083
	18	Northeastern	2,156,148
	19	Loyola, Chicago	2,143,403
	20	Kansas State	2,126,199
	21	St. John's	2,078,591
	22	Arkansas, Fayetteville	2,057,396
	23	George Washington	2,030,896
	24	Memphis State	2,029,246
	25	North Texas State	2,009,501
5	26	Nevada,Reno	1,972,816
	27	Western Michigan	1,961,150
	28	Texas Tech	1,939,923
	29	Wyoming	1,903,151
	30	SUNY-Binghamton	1,892,473
	31	Oregon State	1,833,011
	32	Vermont	1,796,283
	33	Miami, Ohio	1,761,841
	34	Ohio University	1,759,985
	35	Toledo	1,756,524
	36	Baylor	1,731,479
	37	Marquette	1,715,304
	38	Fordham	1,707,067
	39	Rhode Island	1,607,240
	40	New Brunswick,Fredericton	1,568,547
	41	Hofstra	1,529,549
	42	Clemson	1,512,330
	43	Missouri, Kansas City	1,511,731
	44	Brandeis	1,510,601
	45	New Mexico State	1,477,443
	46	Catholic	1,473,784
	47	Windsor	1,455,453
	48	North Carolina,Greensboro	1,453,635
	49	Yeshiva	1,446,187
	50	St. Louis	1,438,745
	51	Indiana State	1,412,195
	52	Claremont Colleges	1,399,774
	53	Idaho	1,321,056
	54	Tulsa	1,284,558
	55	Alaska, Fairbanks	1,235,819
	56	Denver	1,188,183
	57	Montana	1,180,383
	58	New Hampshire	1,177,163
	59	Lehigh	1,169,274
	60	Carnegie Mellon	1,168,532
	61	Northern Colorado	1,133,395
	62	Mississippi	1,131,190
	63	William and Mary	1,104,668
	64	Montana State	1,081,147
	65	Calif. Inst. of Tech.	1,078,402
	66	Texas Christian	1,056,959
	67	Maine, Orono	1,035,916
	68	Utah State	1,022,908
	69	Mississippi State	1,019,858
6	70	Texas Woman's	996,255
	71	Detroit	900,315
	72	East Texas State	847,417
	73	North Dakota State	846,135
	74	Rensselaer Polytechnic	837,985
	75	South Dakota	773,537
	76	North Dakota	763,528
	77	City University of NY	686,995
	78	Clark	599,047
	79	Rockefeller	484,853
	80	South Dakota State	463,026
	81	Polytechnic University	460,463

RANK ORDER TABLE 7: OTHER OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 1,750 and over
2- 1,500-1,749
3- 1,250-1,499
4- 1,000-1,249
5- 750-999
6- 500-749
7- 250-499
8- 0-249

Gp	Rank	Institution	Value
1	1	Alaska, Fairbanks	2,180,001
	2	Virginia Commonwealth	1,793,598
3	3	Bowling Green State	1,484,557
4	4	Ohio University	1,205,586
	5	Calgary	1,166,141
	6	Illinois, Chicago	1,154,124
	7	Auburn	1,110,736
5	8	Oregon State	974,630
	9	Miami, Ohio	928,872
	10	Toledo	841,004
	11	Wisconsin, Milwaukee	815,160
	12	Baylor	793,603
	13	Southern Methodist	767,379
	14	Missouri, Kansas City	760,312
6	15	Louisville	748,814
	16	Memphis State	745,105
	17	Western Michigan	736,362
	18	Clemson	712,418
	19	Akron	700,160
	20	North Carolina,Greensboro	666,679
	21	Carnegie Mellon	646,591
	22	Kansas State	636,328
	23	Carleton	619,609
	24	William and Mary	585,297
	25	Boston College	566,051
	26	Georgia State	561,226
	27	Idaho	536,936
	28	Brandeis	530,613
	29	Northern Illinois	512,147
7	30	North Texas State	483,904
	31	Ball State	473,725
	32	St. John's	449,609
	33	Calif., Santa Cruz	436,323
	34	Utah State	402,813
	35	Calif. Inst. of Tech.	401,516
	36	Texas Tech	400,256
	37	Hofstra	373,393
	38	Arkansas, Fayetteville	372,694
	39	George Washington	372,459
	40	South Florida	368,157
	41	Claremont Colleges	364,396
	42	Mississippi	357,010
	43	Rensselaer Polytechnic	346,073
	44	Vermont	343,277
	45	Lehigh	322,736
	46	Marquette	311,117
	47	Montana State	296,153
	48	Indiana State	294,633
	49	Northern Colorado	281,315
	50	Maine, Orono	278,876
	51	Illinois State	274,819
	52	Wyoming	263,627
	53	Texas Christian	263,055
	54	Montana	256,060
	55	New Brunswick,Fredericton	252,221
8	56	Yeshiva	237,212
	57	New Mexico State	235,653
	58	Tulsa	231,971
	59	North Dakota State	224,707
	60	Fordham	224,294
	61	St. Louis	222,012
	62	Northeastern	212,835
	63	Lovola, Chicago	212,246
	64	Denver	212,177
	65	SUNY-Binghamton	211,000
	66	Texas Woman's	209,073
	67	Windsor	193,964
	68	Nevada,Reno	191,278
	69	Mississippi State	188,548
	70	South Dakota	166,303
	71	East Texas State	162,518
	72	Clark	159,215
	73	South Dakota State	151,655
	74	Detroit	147,931
	75	Rockefeller	141,690
	76	Catholic	130,007
	77	New Hampshire	81,384
	78	North Dakota	78,323
	79	City University of NY	74,450
	80	Polytechnic University	72,400
	81	Rhode Island	16,000

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RANK ORDER TABLE 8: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 8,000 and over	6- 3,000-3,999
2- 7,000-7,999	7- 2,000-2,999
3- 6,000-6,999	8- 1,000-1,999
4- 5,000-5,999	9- 0- 999
5- 4,000-4,999	

Gp	Rank	Institution	Value
1	1	Calgary	10,263,304
	2	Illinois, Chicago	9,476,180
3	3	Virginia Commonwealth	6,914,846
4	4	Auburn	5,938,125
	5	Northern Illinois	5,730,361
	6	Bowling Green State	5,371,861
	7	South Florida	5,268,427
	8	Louisville	5,246,514
	9	Wyoming	5,163,213
	10	Southern Methodist	5,149,041
	11	Calif., Santa Cruz	5,034,010
5	12	Akron	4,969,076
	13	Boston College	4,946,185
	14	Georgia State	4,756,789
	15	Oregon State	4,712,827
	16	Wisconsin, Milwaukee	4,565,718
	17	Kansas State	4,558,378
	18	Carleton	4,550,610
	19	Illinois State	4,505,091
	20	Ohio University	4,334,712
	21	Memphis State	4,313,529
	22	Ball State	4,201,062
	23	Loyola, Chicago	4,188,605
	24	Alaska, Fairbanks	4,170,704
	25	Toledo	4,168,007
	26	Baylor	4,141,909
	27	St. John's	4,136,649
	28	Texas Tech	4,129,038
	29	Miami, Ohio	4,077,546
	30	Arkansas, Fayetteville	4,024,206
6	31	Missouri, Kansas City	3,995,369
	32	North Texas State	3,911,308
	33	George Washington	3,843,566
	34	Clemson	3,746,695
	35	Vermont	3,737,548
	36	Western Michigan	3,583,624
	37	Fordham	3,571,463
	38	Northeastern	3,415,064
	39	Marquette	3,329,565
	40	Nevada,Reno	3,313,575
	41	Hofstra	3,307,986
	42	North Carolina,Greensboro	3,259,193
	43	Brandeis	3,221,697
	44	Mississippi	3,179,042
	45	Idaho	3,101,279
	46	Rhode Island	3,080,240
	47	Tulsa	3,068,427
	48	New Brunswick,Fredericton	3,061,110
	49	Yeshiva	3,055,575
7	50	Claremont Colleges	2,921,899
	51	Windsor	2,865,311
	52	William and Mary	2,858,298
	53	Lehigh	2,811,679
	54	Utah State	2,797,320
	55	Carnegie Mellon	2,769,029
	56	St. Louis	2,705,069
	57	New Mexico State	2,631,250
	58	Indiana State	2,604,538
	59	Mississippi State	2,584,311
	60	Calif. Inst. of Tech.	2,540,010
	61	Denver	2,505,857
	62	Catholic	2,464,779
	63	New Hampshire	2,414,251
	64	Maine, Orono	2,367,334
	65	Montana	2,241,105
	66	Northern Colorado	2,237,591
	67	Montana State	2,159,397
	68	Texas Christian	2,132,024
	69	Rensselaer Polytechnic	2,088,922
8	70	South Dakota	1,877,233
	71	North Dakota State	1,729,542
	72	Texas Woman's	1,721,356
	73	Detroit	1,614,963
	74	East Texas State	1,606,692
	75	North Dakota	1,541,068
	76	South Dakota State	1,278,395
	77	Clark	1,238,944
	78	Rockefeller	1,044,047
9	79	City University of NY	993,374
	80	Polytechnic University	831,463
		SUNY-Binghamton	N/A

RANK ORDER TABLE 9: MONOGRAPHICS PURCHASED (VOLUMES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 45,000 and over	6- 20,000-24,999
2- 40,000-44,999	7- 15,000-19,999
3- 35,000-39,999	8- 10,000-14,999
4- 30,000-34,999	9- 5,000- 9,999
5- 25,000-29,999	10- 0- 4,999

Gp	Rank	Institution	Value
1	1	Denver	48,258
	2	Texas Tech	45,908
2	3	Auburn	43,164
	4	Illinois, Chicago	42,976
3	5	Wyoming	38,955
4	6	Calif., Santa Cruz	34,162
	7	Tulsa	33,587
	8	Carleton	32,362
	9	Oregon State	31,104
5	10	Wisconsin, Milwaukee	29,730
	11	Miami, Ohio	29,142
	12	Southern Methodist	26,860
	13	Windsor	26,000
	14	Illinois State	25,024
6	15	Virginia Commonwealth	24,207
	16	Rhode Island	23,637
	17	Hofstra	23,502
	18	Akron	23,320
	19	Missouri, Kansas City	23,241
	20	George Washington	22,988
	21	North Carolina,Greensboro	22,363
	22	Kansas State	22,138
	23	William and Mary	22,003
	24	Brandeis	21,698
	25	Carnegie Mellon	20,918
	26	Baylor	20,779
	27	Vermont	20,320
7	28	Loyola, Chicago	19,678
	29	Arkansas, Fayetteville	19,518
	30	Utah State	17,905
	31	Memphis State	17,730
	32	Western Michigan	17,098
	33	Marquette	17,066
	34	St. John's	17,001
	35	Lehigh	16,936
	36	Clemson	16,000
	37	Fordham	15,312
	38	Maine, Orono	15,000
8	39	North Dakota	14,692
	40	Bowling Green State	14,625
	41	South Dakota State	14,690
	42	New Brunswick,Fredericton	13,027
	43	Nevada,Reno	13,000
	44	East Texas State	12,670
	45	Mississippi	11,935
	46	Northern Colorado	11,400
	47	Northeastern	11,242
	48	New Hampshire	11,226
	49	Texas Christian	10,504
	50	Catholic	10,374
9	51	North Dakota State	9,617
	52	Ball State	8,571
	53	New Mexico State	8,569
	54	Montana State	7,685
	55	Mississippi State	7,399
	56	South Dakota	7,198
	57	Montana	6,538
	58	Rensselaer Polytechnic	5,311
10	59	Texas Woman's	4,881
	60	Polytechnic University	4,520
	61	Clark	4,403
	62	Rockefeller	4,122
	63	Detroit	3,679
	64	City University of NY	2,732
	65	St. Louis	2,120
	66	Idaho	898
		Alaska, Fairbanks	N/A
		Boston College	N/A
		Calgary	N/A
		Calif. Inst. of Tech.	N/A
		Claremont Colleges	N/A
		Georgia State	N/A
		Indiana State	N/A
		Louisville	N/A
		North Texas State	N/A
		Northern Illinois	N/A
		Ohio University	N/A
		South Florida	N/A
		SUNY-Binghamton	N/A
		Toledo	N/A
		Yeshiva	N/A

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RANK ORDER TABLE 10: EXPENDITURES FOR MONOGRAPHS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 1,500 and over
2- 1,250-1,499
3- 1,000-1,249
4- 750- 999
5- 500-749
6- 250-499
7- 0-249

Gp	Rank	Institution	Value
1	1	Illinois, Chicago	1,597,681
	2	Auburn	1,513,779
2	3	Wyoming	1,392,993
3	4	Southern Methodist	1,180,975
	5	Virginia Commonwealth	1,117,358
	6	Calif., Santa Cruz	1,002,548
4	7	Texas Tech	929,375
	8	North Texas State	915,334
	9	Tulsa	857,349
	10	Baylor	844,457
	11	St. John's	843,222
	12	Fordham	795,318
	13	Illinois State	790,551
	14	Ohio University	762,773
	15	Carleton	754,523
5	16	Loyola, Chicago	749,203
	17	Bowling Green State	715,164
	18	Akron	703,439
	19	Louisville	694,547
	20	Missouri, Kansas City	687,386
	21	Miami, Ohio	677,700
	22	Northern Illinois	666,864
	23	Vermont	645,425
	24	Toledo	641,042
	25	SUNY-Binghamton	637,750
	26	Memphis State	606,405
	27	Wisconsin, Milwaukee	595,533
	28	Utah State	592,554
	29	South Florida	589,748
	30	Oregon State	577,156
	31	Georgia State	572,547
	32	North Carolina,Greensboro	563,530
	33	Kansas State	533,931
	34	George Washington	533,237
	35	Idaho	526,617
	36	Claremont Colleges	523,498
	37	William and Mary	515,239
	38	Rhode Island	510,000
	39	Boston College	506,294
	40	Brandeis	501,299
6	41	Ball State	493,207
	42	Arkansas, Fayetteville	486,172
	43	Calgary	481,372
	44	Clemson	478,663
	45	New Hampshire	470,470
	46	Hofstra	463,494
	47	Lehigh	461,772
	48	Nevada,Reno	458,551
	49	Windsor	416,878
	50	Maine, Orono	408,163
	51	Mississippi	397,567
	52	North Dakota	377,049
	53	New Brunswick,Fredericton	365,117
	54	St. Louis	364,436
	55	Marquette	357,358
	56	Texas Christian	349,460
	57	Northern Colorado	344,205
	58	South Dakota	339,484
	59	Denver	325,327
	60	Carnegie Mellon	318,708
	61	New Mexico State	308,153
	62	Western Michigan	294,430
	63	Northeastern	281,031
	64	South Dakota State	280,259
	65	Rensselaer Polytechnic	268,493
	66	Indiana State	263,963
7	67	Catholic	237,458
	68	Montana State	224,990
	69	Mississippi State	211,170
	70	Yeshiva	201,735
	71	Calif. Inst. of Tech.	178,338
	72	Clark	173,626
	73	North Dakota State	161,002
	74	East Texas State	156,068
	75	Montana	143,025
	76	Texas Woman's	109,476
	77	Detroit	97,658
	78	Rockefeller	79,740
	79	City University of NY	73,095
	80	Polytechnic University	65,000
		Alaska, Fairbanks	N/A

RANK ORDER TABLE 11: SERIALS PURCHASED (TITLES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 14,000 and over
2- 12,000-13,999
3- 10,000-11,999
4- 8,000- 9,999
5- 6,000-7,999
6- 4,000-5,999
7- 2,000-3,999
8- 0-1,999

Gp	Rank	Institution	Value
1	1	South Dakota	44,728
	2	Northern Illinois	14,226
2	3	Bowling Green State	13,436
3	4	Carleton	11,949
	5	Denver	11,890
	6	Virginia Commonwealth	10,995
	7	Arkansas, Favetteville	10,822
	8	Boston College	10,241
4	9	George Washington	9,853
	10	Hofstra	9,734
	11	South Florida	9,384
	12	Lehigh	9,168
	13	Kansas State	9,007
	14	St. Louis	8,904
	15	Oregon State	8,847
	16	Illinois, Chicago	8,563
	17	Mississippi	8,450
	18	Fordham	8,059
5	19	Wisconsin, Milwaukee	7,962
	20	Marquette	7,496
	21	Rhode Island	7,449
	22	Auburn	7,203
	23	Clemson	7,057
	24	East Texas State	6,734
	25	Yeshiva	6,628
	26	Catholic	6,093
6	27	Indiana State	5,966
	28	Illinois State	5,922
	29	Toledo	5,894
	30	Mississippi State	5,826
	31	Detroit	5,815
	32	North Carolina,Greensboro	5,794
	33	New Brunswick,Fredericton	5,722
	34	Nevada,Reno	5,707
	35	Baylor	5,700
	36	Ball State	5,408
	37	Claremont Colleges	5,401
	38	Southern Methodist	5,297
	39	New Mexico State	5,007
	40	William and Mary	4,934
	41	Utah State	4,886
	42	Northeastern	4,854
	43	Western Michigan	4,738
	44	Montana	4,587
	45	Maine, Orono	4,500
	46	Texas Woman's	4,428
	47	Montana State	4,337
	48	North Texas State	4,279
	49	Tulsa	4,130
7	50	St. John's	3,977
	51	North Dakota State	3,526
	52	Rensselaer Polytechnic	3,464
	53	South Dakota State	3,001
	54	Carnegie Mellon	2,997
	55	North Dakota	2,857
	56	Wyoming	2,854
	57	Northern Colorado	2,850
8	58	Rockefeller	1,956
	59	City University of NY	1,504
	60	Vermont	1,362
	61	Polytechnic University	1,203
	62	Texas Tech	0
		Akron	N/A
		Alaska, Fairbanks	N/A
		Brandeis	N/A
		Calgary	N/A
		Calif., Santa Cruz	N/A
		Calif. Inst. of Tech.	N/A
		Clark	N/A
		Georgia State	N/A
		Idaho	N/A
		Louisville	N/A
		Loyola, Chicago	N/A
		Memphis State	N/A
		Miami, Ohio	N/A
		Missouri, Kansas City	N/A
		New Hampshire	N/A
		Ohio University	N/A
		SUNY-Binghamton	N/A
		Texas Christian	N/A
		Windsor	N/A

RANK ORDER TABLE 12: EXPENDITURES FOR SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups accordi..g to the ranges specified here.

Group Ranges (in thousands) are:

1-	1,200 and over	7-	600-699
2-	1,100-1,199	8-	500-599
3-	1,000-1,099	9-	400-499
4-	900- 999	10-	300-399
5-	800- 899	11-	200-299
6-	700- 799	12-	0-199

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Wyoming	1,451,524		43	New Brunswick,Fredericton	638,522
	2	Illinois, Chicago	1,423,672		44	Utah State	637,953
	3	Calgary	1,359,988		45	Nevada,Reno	636,429
	4	Northern Illinois	1,298,761		46	Claremont Colleges	634,231
	5	SUNY-Binghamton	1,290,000		47	Rensselaer Polytechnic	630,067
	6	Boston College	1,212,289				
	7	Mississippi	1,204,281	8	48	Maine, Orono	592,737
					49	Bowling Green State	590,000
2	8	Georgia State	1,197,839		50	William and Mary	584,821
	9	South Florida	1,127,311		51	Catholic	580,833
	10	Kansas State	1,101,400		52	Ball State	578,983
					53	Brandeis	572,756
3	11	Oregon State	1,086,038		54	Ohio University	568,965
	12	Arkansas, Fayetteville	1,016,272		55	Carnegie Mellon	556,629
					56	New Mexico State	555,000
4	13	Virginia Commonwealth	990,327		57	South Dakota	552,716
	14	Mississippi State	986,209		58	Montana	551,329
	15	Clemson	972,131		59	Western Michigan	546,202
	16	Louisville	917,674		60	Indiana State	529,299
					61	St. Louis	522,691
5	17	Marquette	878,778		62	Montana State	519,305
	18	Loyola, Chicago	876,136		63	North Carolina,Greensboro	515,827
	19	Akron	873,721		64	Hofstra	508,753
	20	Rhode Island	864,000		65	Miami, Ohio	505,000
	21	Texas Tech	854,484		66	Illinois State	502,929
	22	Auburn	853,578				
	23	Toledo	833,520	9	67	Carleton	492,942
	24	Calif. Inst. of Tech.	826,130		68	North Dakota State	448,600
					69	North Texas State	442,017
6	25	Lehigh	799,000		70	Detroit	420,743
	26	Missouri, Kansas City	796,365		71	Texas Christian	419,850
	27	Memphis State	778,620		72	Baylor	419,660
	28	Vermont	766,162				
	29	George Washington	761,746	10	73	East Texas State	393,930
	30	Calif., Santa Cruz	751,456		74	South Dakota State	347,558
	31	Fordham	748,877		75	North Dakota	322,168
	32	Southern Methodist	747,421		76	Texas Woman's	321,245
	33	Windsor	744,735		77	Rockefeller	306,465
	34	Alaska, Fairbanks	705,110				
	35	Wisconsin, Milwaukee	704,062	11	78	Northern Colorado	299,114
					79	Clark	268,623
7	36	Northeastern	684,749		80	Polytechnic University	227,000
	37	Tulsa	667,636				
	38	Denver	662,638	12	81	City University of NY	118,395
	39	Idaho	661,655				
	40	St. John's	654,267				
	41	Yeshiva	651,845				
	42	New Hampshire	646,021				

RANK ORDER TABLE 13: TOTAL ITEMS LOANED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 20,000 and over
2- 18,000-19,999
3- 16,000-17,999
4- 14,000-15,999
5- 12,000-13,999
6- 10,000-11,999
7- 8,000-9,999
8- 6,000-7,999
9- 4,000-5,999
10- 2,000-3,999
11- 0-2,000

Gp	Rank	Institution	Value
1	1	Illinois, Chicago	29,415
	2	Ohio University	23,844
2	3	South Florida	19,175
3	4	Northern Illinois	17,125
	5	Virginia Commonwealth	16,928
	6	Illinois State	16,415
4	7	Wyoming	15,981
	8	Missouri, Kansas City	15,352
5	9	Vermont	13,873
	10	Kansas State	13,616
	11	Western Michigan	13,551
	12	North Dakota State	13,339
6	13	Lehigh	11,796
	14	South Dakota	11,387
	15	Akron	11,240
	16	Idaho	11,056
	17	Carleton	10,989
	18	Texas Tech	10,835
	19	Oregon State	10,408
	20	North Dakota	10,040
7	21	Ball State	9,586
	22	Arkansas, Fayetteville	9,498
	23	North Texas State	9,437
	24	Louisville	9,281
	25	Nevada,Reno	9,194
	26	Georgia State	8,740
	27	Maine, Orono	8,700
	28	Denver	8,620
	29	Auburn	8,544
	30	SUNY-Binghamton	8,379
	31	Northern Colorado	8,248
	32	Bowling Green State	8,160
	33	Miami, Ohio	8,102
8	34	Southern Methodist	7,875
	35	Montana State	7,692
	36	Boston College	7,486
	37	Toledo	7,407
	38	Marquette	7,141
	39	Montana	7,073
	40	Memphis State	6,955
	41	Indiana State	6,939
	42	New Hampshire	6,883
	43	Texas Woman's	6,866
	44	East Texas State	6,476
	45	New Mexico State	6,336
	46	Calif. Inst. of Tech.	6,177
9	47	Rensselaer Polytechnic	5,949
	48	Windsor	5,864
	49	Alaska, Fairbanks	5,742
	49	Utah State	5,742
	51	Loyola, Chicago	5,617
	52	Texas Christian	5,494
	53	Calif., Santa Cruz	5,380
	54	George Washington	5,286
	55	Mississippi State	5,211
	56	Clemson	5,208
	57	North Carolina,Greensboro	5,190
	58	Tulsa	5,137
	59	Northeastern	5,094
	60	Rhode Island	4,706
	61	William and Mary	4,497
	62	Detroit	4,475
	63	Brandeis	4,335
	64	South Dakota State	4,015
10	65	Wisconsin, Milwaukee	3,793
	66	Carnegie Mellon	3,543
	67	Catholic	3,509
	68	Rockefeller	3,397
	69	Mississippi	3,374
	70	New Brunswick,Fredericton	3,282
	71	Yeshiva	3,214
	72	Clark	3,017
	73	Baylor	2,963
	74	St. John's	2,376
11	75	St. Louis	1,675
	76	Fordham	1,604
	77	Hofstra	1,568
	78	Claremont Colleges	1,042
	79	City University of NY	773
	80	Polytechnic University	675
		Calgary	N/A

RANK ORDER TABLE 14: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 10,000 and over
2- 8,000-17,999
3- 6,000-7,999
4- 4,000-5,999
5- 2,000-3,999
6- 0-2,000

Gp	Rank	Institution	Value
1	1	Northern Illinois	22,697
	2	Illinois, Chicago	15,139
	3	Bowling Green State	14,302
	4	North Dakota State	14,087
	5	South Florida	12,348
	6	North Dakota	12,331
2	7	Kansas State	9,284
	8	Wisconsin, Milwaukee	9,069
	9	Ohio University	8,719
	10	Illinois State	8,696
	11	Louisville	8,122
3	12	Akron	7,979
	13	Missouri, Kansas City	7,562
	14	Wyoming	6,694
	15	Carleton	6,396
	16	Lehigh	6,128
	17	Calif., Santa Cruz	6,040
4	18	Memphis State	5,839
	19	Toledo	5,792
	20	Maine, Orono	5,600
	21	South Dakota State	5,555
	22	Tulsa	5,483
	23	Rhode Island	5,450
	24	Ball State	5,021
	25	Montana	4,911
	26	Virginia Commonwealth	4,755
	27	Vermont	4,619
	28	Oregon State	4,579
	29	Clemson	4,552
	30	Rensselaer Polytechnic	4,547
	31	Western Michigan	4,546
	32	New Mexico State	4,510
	33	Alaska, Fairbanks	4,393
	34	Montana State	4,354
	35	Northern Colorado	4,351
	36	Utah State	4,238
	37	Marquette	4,191
	38	Miami, Ohio	4,163
5	39	Brandeis	3,891
	40	Loyola, Chicago	3,821
	41	South Dakota	3,762
	42	Texas Woman's	3,570
	43	SUNY-Binghamton	3,456
	44	Yeshiva	3,431
	45	Calif. Inst. of Tech.	3,421
	46	Texas Tech	3,388
	47	Denver	3,332
	48	New Brunswick,Fredericton	3,321
	49	Southern Methodist	3,319
	50	Idaho	3,300
	51	Indiana State	3,266
	52	New Hampshire	3,102
	53	Windsor	3,086
	54	Detroit	3,082
	55	Mississippi	3,004
	56	East Texas State	2,985
	57	Boston College	2,901
	58	Mississippi State	2,869
	59	Auburn	2,817
	60	Baylor	2,715
	61	Hofstra	2,656
	62	St. Louis	2,634
	63	North Texas State	2,631
	64	Clark	2,630
	65	Nevada,Reno	2,593
	66	Northeastern	2,536
	67	Texas Christian	2,475
	68	Georgia State	2,468
	69	North Carolina,Greensboro	2,386
	70	Catholic	2,345
	71	Arkansas, Fayetteville	2,275
	72	Carnegie Mellon	2,161
	73	George Washington	2,093
	74	Claremont Colleges	2,055
6	75	St. John's	1,734
	76	William and Mary	1,722
	77	City University of NY	1,508
	78	Rockefeller	1,001
	79	Fordham	969
	80	Polytechnic University	533
		Calgary	N/A

RANK ORDER TABLE 15: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 80 and over
2- 70-79
3- 60-69
4- 50-59
5- 40-49
6- 30-39
7- 20-29
8- 10-19
9- 0-10

Gp	Rank	Institution	Value
1	1	Virginia Commonwealth	90
2	2	Illinois, Chicago	73
4	3	Bowling Green State	56
	4	Louisville	55
	5	South Florida	52
	6	SUNY-Binghamton	51
5	7	Northern Illinois	49
	8	Boston College	46
	8	Hofstra	46
	8	Southern Methodist	46
	11	Northeastern	45
	11	Wyoming	45
	13	Loyola, Chicago	43
	14	Auburn	41
	14	St. John's	41
	16	Arkansas, Fayetteville	40
	16	Kansas State	40
6	18	Calgary	39
	19	Ball State	37
	19	North Texas State	37
	21	Georgia State	36
	22	Memphis State	35
	22	Toledo	35
	22	Wisconsin, Milwaukee	35
	25	Akron	34
	25	Catholic	34
	25	Illinois State	34
	28	Calif., Santa Cruz	33
	28	Carleton	33
	28	Marquette	33
	31	Fordham	32
	31	Mississippi	32
	31	Ohio University	32
	31	Texas Tech	32
	35	Baylor	31
	35	Miami, Ohio	31
	35	Oregon State	31
	38	Alaska, Fairbanks	30
	38	Indiana State	30
	38	Missouri, Kansas City	30
7	41	George Washington	29
	41	Vermont	29
	41	Western Michigan	29
	44	Brandeis	28
	44	Carnegie Mellon	28
	44	St. Louis	28
	47	Yeshiva	27
	48	Tulsa	26
	49	Mississippi State	25
	49	Nevada,Reno	25
	49	New Mexico State	25
	52	Clemson	24
	52	Denver	24
	52	Idaho	24
	52	New Brunswick,Fredericton	24
	52	North Dakota State	24
	57	Lehigh	23
	57	Rhode Island	23
	57	Windsor	23
	60	Montana State	22
	60	North Carolina,Greensboro	22
	60	Texas Christian	22
	63	Detroit	21
	64	Claremont Colleges	20
	64	Maine, Orono	20
	64	Utah State	20
8	67	New Hampshire	19
	67	William and Mary	19
	69	Montana	18
	69	South Dakota	18
	71	Calif. Inst. of Tech.	17
	71	North Dakota	17
	71	Northern Colorado	17
	71	Rensselaer Polytechnic	17
	75	City University of NY	16
	75	East Texas State	16
	77	Texas Woman's	15
	78	South Dakota State	11
	79	Clark	10
	79	Polytechnic University	10
9	81	Rockefeller	7

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RANK ORDER TABLE 16: NONPROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 200 and over
2- 150-199
3- 100-149
4- 50- 99
5- 0- 49

Gp	Rank	Institution	Value
1	1	Calgary	220
2	2	Illinois, Chicago	173
3	3	Carleton	119
	4	South Florida	115
	5	Louisville	105
	5	Northern Illinois	105
4	7	Ball State	88
	8	Memphis State	87
	9	George Washington	82
	10	Auburn	79
	11	Boston College	78
	12	Virginia Commonwealth	77
	13	Georgia State	76
	13	Illinois State	76
	15	Akron	73
	15	New Brunswick:Fredericton	73
	15	North Texas State	73
	15	Windsor	73
	19	Arkansas, Fayetteville	71
	20	St. John's	69
	21	New Mexico State	67
	22	Hofstra	66
	23	Calif., Santa Cruz	63
	24	Vermont	62
	25	Southern Methodist	61
	26	Clemson	59
	27	Kansas State	58
	27	Wisconsin, Milwaukee	58
	27	Wyoming	58
	30	Loyola, Chicago	56
	31	Baylor	55
	31	Fordham	55
	33	New Hampshire	54
	33	Texas Tech	54
	35	St. Louis	53
	36	Miami, Ohio	52
	36	Northeastern	52
	36	Western Michigan	52
	39	Bowling Green State	51
	39	Ohio University	51
5	41	Catholic	49
	42	Denver	49
	42	Marquette	49
	42	Oregon State	49
	42	Rhode Island	49
	46	North Carolina:Greensboro	48
	46	Toledo	48
	48	Lehigh	47
	48	Nevada:Reno	47
	50	Missouri, Kansas City	46
	51	SUNY-Binghamton	45
	52	Indiana State	44
	52	Tulsa	44
	54	Maine, Orono	43
	54	William and Mary	43
	56	Idaho	40
	56	Yeshiva	40
	58	Montana State	39
	59	Brandeis	38
	59	Carnegie Mellon	38
	59	Claremont Colleges	38
	62	Montana	37
	63	Texas Woman's	36
	64	Calif. Inst. of Tech.	35
	65	Alaska, Fairbanks	34
	66	Detroit	33
	66	Northern Colorado	33
	68	Rensselaer Polytechnic	32
	68	Texas Christian	32
	68	Utah State	32
	71	Mississippi	31
	72	Mississippi State	30
	73	South Dakota	25
	74	East Texas State	23
	75	North Dakota	22
	76	North Dakota State	20
	76	Rockefeller	20
	78	Clark	17
	79	South Dakota State	14
	80	Polytechnic University	8
	81	City University of NY	4

RANK ORDER TABLE 17: TOTAL STAFF

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 250 and over
2- 200-249
3- 150-199
4- 100-149
5- 50- 99
6- 0- 49

Gp	Rank	Institution	Value
1	1	Illinois, Chicago	293
	2	Calgary	259
2	3	Northern Illinois	220
	4	South Florida	217
	5	Virginia Commonwealth	202
3	6	Louisville	199
	7	Ball State	185
	7	North Texas State	185
	9	Kansas State	170
	10	Boston College	169
	11	Bowling Green State	168
	11	Northeastern	168
	13	Memphis State	165
	14	Carleton	164
	15	Auburn	162
	16	Arkansas, Fayetteville	157
4	17	Georgia State	149
	18	New Hampshire	148
	19	Illinois State	147
	20	George Washington	146
	21	Hofstra	140
	22	Southern Methodist	138
	22	Texas Tech	138
	24	St. John's	137
	25	Akron	136
	25	Ohio University	136
	27	Miami, Ohio	133
	27	Wisconsin, Milwaukee	133
	29	Western Michigan	132
	30	Loyola, Chicago	130
	31	Baylor	126
	32	SUNY-Binghamton	124
	33	Oregon State	121
	34	Wyoming	120
	35	Indiana State	119
	35	New Mexico State	119
	37	Toledo	117
	38	Fordham	116
	39	Mississippi	115
	40	Catholic	114
	41	Marquette	113
	42	Rhode Island	112
	43	Vermont	111
	44	Carnegie Mellon	110
	45	New Brunswick, Fredericton	107
	45	St. Louis	107
	45	William and Mary	107
	48	Windsor	106
	49	Calif., Santa Cruz	105
	50	Denver	104
	51	Missouri, Kansas City	103
	52	Nevada, Reno	100
5	53	Clemson	99
	54	Brandeis	98
	54	Mississippi State	98
	56	Montana	95
	57	Tulsa	93
	58	North Carolina, Greensboro	91
	59	Detroit	88
	60	Claremont Colleges	86
	60	Lehigh	86
	60	Utah State	86
	63	Alaska, Fairbanks	83
	64	Idaho	80
	65	Maine, Orono	77
	65	Montana State	77
	67	Texas Woman's	75
	68	Yeshiva	73
	69	Texas Christian	72
	70	East Texas State	68
	71	South Dakota	65
	72	Rensselaer Polytechnic	64
	73	North Dakota State	60
	74	North Dakota	59
	75	Northern Colorado	55
	76	Calif. Inst. of Tech.	54
	76	Clark	54
6	78	South Dakota State	38
	79	Polytechnic University	29
	80	Rockefeller	27
	81	City University of NY	25

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SELECTED RATIOS
UNIVERSITY LIBRARIES

INSTITUTION NAME	1 TRANS PER VOLS	2 TRANS PER STUDENT	3 TRANS PER STAFF MEMBER	4 VOLS ADDED PER STUDENT	5 % EXPENDS FOR PRINT	6 % EXPENDS FOR AV	7 % EXPENDS FOR SERIALS	8 % COL DEV EXP OF TOT BUDGET	9 REF TRANS PER STUDENT	10 PERSONS IN BI PER STUDENT
Akron	0.23	10.00	1558	1.53	42.55	1.59	52.85	33.27	0.03	0.01
Alaska, Fairbanks	0.13	18.46	905	3.08	.	2.73	97.27	17.38	0.15	0.08
Arkansas, Fayetteville	0.12	10.29	889	3.67	28.87	0.35	60.34	41.85	0.05	0.01
Auburn	0.19	13.64	1580	3.23	57.98	0.09	32.69	43.97	0.16	0.02
Ball State	0.17	10.56	944	1.33	40.08	6.50	47.05	29.29	0.08	0.04
Baylor	0.15	14.74	1434	3.63	51.93	2.71	25.80	39.26	4.42	0.96
Boston College	0.16	10.08	916	2.47	27.63	1.49	66.16	37.05	0.05	0.04
Bowling Green State	0.22	16.42	1883	3.60	51.88	.	42.80	25.66	0.05	0.01
Brandeis	0.13	29.42	1093	6.74	42.42	0.11	48.46	36.68	0.14	0.01
Calgary	0.00	.	.	3.92	9.78	0.09	27.63	47.96	.	.
Calif., Santa Cruz	0.40	62.97	3117	5.55	50.10	2.88	37.55	39.75	0.13	0.05
Calif. Inst. of Tech.	0.14	32.08	1078	7.47	16.82	.	77.93	41.74	0.45	.
Carleton	0.32	34.09	2556	3.40	60.37	.	39.44	27.47	0.21	0.11
Carnegie Mellon	0.15	17.09	932	3.45	31.17	1.27	54.43	36.93	0.10	0.03
Catholic	0.15	20.71	1463	2.06	27.58	0.58	67.46	34.93	2.89	0.80
City University of NY	0.41	13.57	3051	1.69	31.52	0.21	51.05	23.35	0.09	0.02
Claremont Colleges	0.20	50.62	3688	10.68	43.14	.	52.26	41.53	.	.
Clark	0.10	13.93	821	3.29	39.18	0.06	60.62	35.76	.	0.01
Clemson	0.27	13.41	1759	1.63	32.47	0.00	65.95	39.34	0.06	0.03
Denver	0.08	8.02	900	4.76	29.31	0.00	59.69	44.30	0.04	0.07
Detroit	0.05	6.37	360	2.88	17.20	1.42	74.11	35.15	0.17	0.05
East Texas State	0.17	10.83	1503	1.88	26.15	0.26	66.01	37.14	0.06	0.02
Fordham	0.08	10.47	961	3.56	48.49	.	45.66	45.92	0.14	0.05
George Washington	0.21	18.06	1712	2.36	36.88	.	52.68	37.62	0.15	0.01
Georgia State	0.27	15.23	1825	2.10	31.57	0.42	66.04	38.13	0.21	0.03
Hofstra	0.22	17.31	1485	2.01	43.95	2.88	48.24	31.88	0.09	0.02
Idaho	0.14	12.49	1256	3.36	39.99	0.15	50.24	42.47	.	0.01
Illinois, Chicago	0.84	53.15	6192	2.27	50.04	0.62	44.60	33.69	0.09	0.03
Illinois State	0.22	12.74	2043	1.58	53.60	0.39	34.10	32.74	0.11	0.02
Indiana State	0.75	53.36	5073	1.50	29.40	1.19	58.96	34.47	0.21	0.06
Kansas State	0.34	21.04	2065	2.56	29.34	0.36	60.52	39.93	0.08	0.06
Lehigh	0.11	14.58	1084	4.88	33.76	0.87	58.42	48.66	0.11	0.02
Louisville	2.31	127.12	11160	1.83	36.06	0.27	47.66	36.71	0.08	0.03
Loyola, Chicago	0.16	12.99	1150	2.98	40.87	0.22	47.80	43.76	0.06	0.02
Maine, Orono	0.32	19.03	2649	2.01	38.78	.	56.31	44.46	0.05	0.02
Marquette	0.19	12.73	1299	0.35	26.11	0.06	64.21	41.11	0.07	0.02
Memphis State	0.33	20.28	2041	1.27	39.40	0.09	50.59	35.68	0.53	0.01
Miami, Ohio	0.30	20.66	2481	1.82	48.87	1.80	36.41	34.01	0.06	0.02
Mississippi	0.18	13.81	1175	3.54	24.28	.	73.54	51.51	0.07	0.03
Mississippi State	0.10	6.30	755	1.89	16.29	0.14	76.06	50.17	0.16	0.01

SELECTED RATIOS
UNIVERSITY LIBRARIES

INSTITUTION NAME	1 TRANS PER VOLS	2 TRANS PER STUDENT	3 TRANS PER STAFF MEMBER	4 VOLS ADDED PER STUDENT	5 % EXPENDS FOR PRINT	6 % EXPENDS FOR AV	7 % EXPENDS FOR SERIALS	8 % COL DEV EXP OF TOT BUDGET	9 REF TRANS PER STUDENT	10 PERSONS IN BI PER STUDENT
Missouri: Kansas City	0.20	17.20	1542	3.78	39.88	0.96	46.20	43.14	0.21	0.03
Montana	0.20	16.47	1423	2.02	17.34	7.43	66.85	36.80	0.08	0.04
Montana State	0.31	13.27	1916	0.69	28.77	0.87	66.40	36.22	0.12	0.02
Nevada,Reno	0.20	16.81	1573	2.53	39.81	.	55.26	34.76	0.16	0.06
New Brunswick,Fredericton	0.49	28.59	3308	1.24	33.74	.	59.01	35.35	0.08	0.03
New Hampshire	0.31	23.58	1836	1.92	36.89	0.23	50.66	52.82	0.02	0.00
New Mexico State	0.19	11.96	1224	1.77	33.56	.	60.45	34.89	0.04	0.01
North Carolina,Greensboro	0.41	27.37	3024	2.68	49.05	0.09	44.89	35.25	0.04	0.02
North Dakota	0.26	12.56	2194	1.23	53.18	.	45.44	46.01	0.06	0.02
North Dakota State	0.18	8.73	1204	1.16	24.44	3.07	68.10	38.09	0.62	0.04
North Texas State	0.20	16.19	1506	3.55	64.56	1.63	31.17	36.25	0.15	0.02
Northeastern	0.13	2.52	422	0.49	26.86	1.10	65.45	30.64	0.23	0.02
Northern Colorado	0.19	11.90	1686	1.54	41.83	0.74	36.35	36.78	2.58	0.77
Northern Illinois	0.39	22.89	2160	1.68	32.30	1.19	62.90	36.03	0.07	0.03
Ohio University	0.29	17.61	2097	2.85	55.71	.	41.56	31.59	0.26	0.01
Oregon State	0.19	11.36	1666	2.08	30.29	.	57.00	40.43	0.10	0.02
Polytechnic University	0.09	3.86	541	1.07	22.26	0.00	77.74	35.12	0.02	0.00
Rensselaer Polytechnic	0.18	8.08	1013	1.38	29.08	0.00	68.25	44.20	0.03	0.00
Rhode Island	0.18	11.94	1296	2.80	35.81	.	60.67	46.23	0.08	0.05
Rockefeller	0.09	66.45	746	26.65	20.63	.	79.28	37.03	0.83	0.17
St. John's	0.08	4.11	536	1.73	52.42	0.89	40.68	38.88	0.29	0.07
St. Louis	0.08	14.22	670	2.80	36.49	0.57	52.34	36.92	0.22	0.07
South Dakota	0.18	14.86	1515	2.67	36.22	0.48	58.96	49.93	0.03	0.04
South Dakota State	0.13	7.30	1338	2.08	42.23	0.00	52.37	51.92	0.04	0.01
South Florida	0.39	20.13	1997	1.88	28.64	2.02	54.74	39.09	0.17	0.07
Southern Methodist	0.08	12.38	801	5.26	54.41	2.22	34.43	42.16	0.32	0.02
SUNY-Binghamton	0.13	13.15	1317	.	30.75	.	62.21	.	0.01	0.04
Texas Christian	0.09	7.96	836	1.93	18.60	.	22.35	88.11	0.08	0.01
Texas Tech	0.13	.	1603	.	50.54	0.00	46.47	44.53	.	.
Texas Woman's	0.33	17.77	3178	0.80	20.81	8.82	61.07	30.56	0.03	0.01
Toledo	0.18	7.01	1034	2.05	40.82	2.69	53.07	37.68	0.13	0.03
Tulsa	0.09	14.09	662	8.76	54.35	0.52	42.33	51.41	0.06	0.05
Utah State	0.06	5.17	633	3.47	39.15	3.67	42.15	54.11	0.08	0.02
Vermont	0.19	18.34	1612	3.90	40.34	1.56	47.89	42.81	0.05	0.02
Virginia Commonwealth	0.23	10.65	840	2.14	48.81	2.82	43.26	33.11	0.08	0.03
Western Michigan	0.21	10.90	1481	1.63	32.67	0.00	60.60	25.15	0.06	0.01
William and Mary	0.12	15.05	955	3.41	45.86	0.04	52.05	39.31	0.07	0.01
Windsor	0.02	1.81	177	.	34.29	.	61.25	42.63	0.02	.
Wisconsin: Milwaukee	0.24	16.93	2697	2.05	40.21	2.68	47.54	32.44	0.08	0.44
Wyoming	0.22	16.08	1700	4.01	46.48	1.76	48.44	58.04	0.07	0.02
Yeshiva	0.12	15.87	1402	4.15	20.29	0.07	65.55	32.54	0.13	0.05

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ACRL LIBRARY DATA TABLE
COLLEGE LIBRARIES

INSTITUTION	Lib No.	COLLECTIONS: Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Manuscripts Purchased	Current Serials Purchased	Current Serials Net Purchased	Current Serials Total	Total Microform Units In Library	INTER-LIBRARY LOANS: Total Loaned	Total Borrowed	PERSONNEL (FTE): Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Material
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Amherst College	b+	1	651,895	21,205	20,574	12,798	N/A	N/A	N/A	238,565	4,629	3,687	12	25	11	48	385,4
Austin College		2	148,108	6,743	4,125	N/A	719	68	787	143,985	1,041	519	4	5	35	44	98,1
Bowdoin College	+	3	692,723	N/A	N/A	N/A	1,898	109	2,007	196,899	1,998	1,053	9	14	9	34	381,4
Brown	b+	4	679,598	22,968	20,376	11,210	2,685	559	3,244	61,820	1,093	1,385	17	23	15	55	389,4
Calif. State, Long Beach	+	5	956,086	33,025	27,221	23,874	9,230	841	10,071	1,069,906	6,967	6,089	48	87	139	275	550,4
Calif. State, Northridge	+	6	943,768	35,045	33,987	N/A	5,508	1,448	6,956	2,020,385	5,966	2,353	48	70	52	161	882,2
Calif. State, Sacramento		7	865,908	28,763	25,025	23,998	5,783	506	6,289	1,238,679	7,024	4,421	26	55	53	134	684,2
Cedar Crest & Muhlenberg	b+	8	293,767	5,525	-1,049	6,662	1,543	1,136	2,679	96,898	2,185	3,029	9	15	16	40	125,7
City College of CUNY	b+	9	1,058,816	26,983	26,983	11,529	6,715	0	6,715	648,513	2,872	2,346	31	38	15	77	323,8
Colorado, Colorado Springs		10	172,888	7,439	7,124	7,521	2,307	99	2,406	161,525	3,859	4,105	7	8	8	23	183,4
Colorado College	b	11	325,413	6,784	5,801	4,523	1,156	41	1,197	19,284	1,579	2,189	8	13	7	28	199,2
Davidson College		12	320,573	10,332	9,789	7,580	2,384	38	2,342	208,634	899	982	7	11	10	28	160,5
DePaul	bL	13	512,374	18,787	15,462	N/A	8,459	236	8,695	693,299	5,882	1,887	31	46	16	93	198,8
Earlham	+	14	221,719	5,642	2,849	N/A	N/A	N/A	N/A	109,593	1,617	2,788	5	6	N/A	9	96,7
East Carolina	b	15	797,373	23,985	20,377	19,916	5,353	0	5,353	1,398,697	6,259	2,403	30	53	136	217	477,5
Eastern Michigan	b	16	548,215	13,762	10,487	7,531	4,388	N/A	4,388	501,818	1,339	338	34	41	33	108	219,4
Elmira College		17	158,221	3,956	556	3,000	762	18	780	293,552	1,038	788	5	10	6	19	73,9
Furman	b	18	293,999	6,210	4,034	N/A	1,977	239	2,216	32,768	65	638	7	11	21	39	127,9
Gonzaga	L+	19	478,307	11,189	8,448	11,189	4,900	975	5,875	574,305	1,560	958	10	17	26	53	68,5
Gustavus Adolphus College	b+	20	210,680	5,537	3,831	5,537	N/A	N/A	N/A	1,332	902	4,111	6	8	10	24	119,5
Humboldt State		21	356,218	17,626	15,929	15,261	2,882	423	3,305	430,114	2,638	2,895	13	23	13	49	438,2
Hunter College at CUNY	b	22	587,876	22,220	21,369	22,000	5,170	47	5,217	766,525	3,439	788	33	31	25	89	489,2
Kalamazoo College		23	253,661	8,305	6,554	6,490	1,600	50	1,650	9,110	644	276	6	5	9	18	78,6
Knox College	b	24	226,018	N/A	N/A	6,000	667	22	689	95,000	686	1,446	6	6	6	16	N
Lawrence	b	25	283,504	5,689	N/A	N/A	1,030	26	1,056	139,242	2,036	2,176	5	5	6	16	166,4

+ - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

ACRL LIBRARY DATA TABLE
COLLEGE LIBRARIES

...ibrs.	Total Staff	EXPENDITURES: Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
11	48	385,970	222,219	0	0	608,189	30,264	385,264	463,660	73,458	1,016,273	267,424	1,902,150	Amherst College
35	44	94,797	64,315	6,600	N/A	165,712	7,089	N/A	N/A	29,057	157,901	490,104	820,806	Austin College
9	34	341,648	214,611	0	N/A	556,251	N/A	N/A	N/A	N/A	586,265	126,646	692,897	Bowdoin College
15	55	369,884	299,217	4,530	0	673,631	52,101	384,631	386,627	99,682	790,740	275,984	1,792,456	Bryn Mawr
139	275	558,000	891,327	114,814	N/A	1,564,141	25,000	1,236,001	1,762,383	315,682	3,314,066	534,605	5,437,892	Calif. State, Long Beach
52	161	802,272	711,674	141,811	N/A	1,655,757	0	1,245,955	1,085,666	438,702	2,770,321	592,488	5,018,566	Calif. State, Northridge
53	134	654,287	598,046	91,721	0	1,344,054	27,500	1,023,589	1,263,286	526,718	2,813,585	464,861	4,649,988	Calif. State, Sacramento
16	48	125,731	141,091	26,334	0	293,156	0	417,822	N/A	42,105	459,927	108,695	861,778	Cedar Crest & Muhlenberg
15	77	321,134	576,267	5,591	0	902,972	48,000	1,168,974	579,830	52,950	1,793,754	170,818	2,907,544	City College of CUNY
8	23	183,408	193,857	4,035	0	381,300	20,677	186,655	141,172	45,039	372,866	102,684	877,527	Colorado, Colorado Springs
7	28	199,751	99,514	6,173	62,398	367,828	25,600	205,575	179,731	51,412	436,718	111,823	879,579	Colorado College
18	28	148,520	228,496	8,908	0	486,116	25,908	188,359	142,884	24,482	356,605	104,991	892,620	Davidson College
16	93	198,167	586,161	48,383	0	824,691	41,948	748,479	604,309	86,327	1,431,115	376,374	2,632,188	DePaul
N/A	9	96,737	77,808	0	0	174,545	11,211	135,361	58,822	68,485	244,588	87,693	528,837	Earlham
134	217	477,558	595,369	38,258	N/A	1,103,185	50,397	686,288	836,916	177,913	1,421,117	436,039	3,218,738	East Carolina
33	108	219,662	366,647	68,311	N/A	654,620	N/A	848,956	1,083,156	194,155	2,126,267	271,283	3,052,170	Eastern Michigan
6	19	73,594	38,657	6,181	N/A	118,432	3,130	95,288	99,233	26,888	194,433	65,407	373,402	Elmira College
21	39	127,958	178,758	65,045	0	371,761	0	161,673	131,928	37,338	330,939	69,141	771,841	Furman
24	51	61,513	281,971	15,787	0	359,271	10,299	287,717	198,442	79,145	596,746	157,829	1,124,145	Gonzaga
18	24	119,537	68,381	9,008	N/A	196,926	N/A	188,951	114,305	58,599	361,855	35,476	594,257	Gustavus Adolphus College
13	49	438,204	249,519	88,391	N/A	776,114	17,000	503,746	489,226	125,469	1,074,691	160,087	2,047,892	Humboldt State
25	89	488,247	557,510	11,424	0	1,057,181	35,000	1,213,259	489,593	105,155	1,808,087	122,768	3,022,956	Hunter College of CUNY
9	18	70,834	66,485	2,295	0	139,614	8,634	103,382	67,978	44,441	215,801	83,556	447,605	Kalamazoo College
6	16	N/A	N/A	0	N/A	0	1,795	78,763	79,083	41,741	N/A	-1,795	N/A	Knox College
6	16	146,409	92,382	23,509	N/A	262,300	N/A	N/A	N/A	N/A	286,016	111,641	660,157	Lawrence

ACRL LIBRARY DATA TABLE
COLLEGE LIBRARIES

INSTITUTION	Libr No.	COLLECTIONS: Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Micrographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	INTERLIBRARY LOANS: Total Loaned	Total Borrowed	PERSONNEL (FTE): Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Macalester College	26	384,655	8,078	-6,959	0	1,545	N/A	1,545	34,524	3,771	3,613	7	6	21	34	148,4
Mankato State	b 27	695,148	7,956	N/A	6,370	2,381	211	2,512	689,378	3,051	8,486	31	22	81	134	182,6
Mills College	28	189,334	6,830	2,505	4,316	N/A	N/A	N/A	6,834	59	45	6	5	6	17	97,4
Reed College	+ 29	315,234	6,912	3,439	6,912	1,481	58	1,539	108,888	1,978	969	5	7	7	18	158,4
SUNY College-Oneonta	30	466,735	14,731	13,609	8,975	2,365	100	2,465	455,127	3,322	1,868	15	23	68	98	277,6
SUNY College-Oswego	31	358,486	12,285	8,629	8,588	2,646	492	3,138	1,395,164	3,289	2,883	19	22	13	54	177,7
Swarthmore College	32	662,344	8,880	472	5,852	3,277	203	3,480	175,172	2,717	1,981	11	16	17	44	334,8
Tusculum College	33	59,580	700	578	380	230	35	265	8,665	2	192	2	1	3	6	18,8
Union College	+ 34	456,919	7,328	3,964	N/A	N/A	N/A	N/A	247,480	4,813	5,224	13	14	14	40	167,2
University of the South	+ 35	343,443	6,112	5,141	3,912	1,988	297	2,197	91,270	969	1,186	12	18	9	31	148,5
Victoria	L+ 36	1,279,808	52,000	51,573	25,216	5,793	N/A	5,793	1,676,000	3,339	4,269	33	99	53	137	671,9
Wabash	37	221,672	4,625	3,947	3,567	1,043	N/A	1,043	6,619	648	1,378	3	4	6	13	95,5
Wellesley College	b+ 38	616,626	15,007	7,437	9,954	N/A	N/A	N/A	169,477	2,511	1,625	15	28	31	74	291,5
Western Illinois	+ 39	608,138	25,223	25,193	25,223	N/A	N/A	N/A	789,498	18,461	12,616	23	68	13	75	487,6
Wheaton College	40	255,982	6,225	4,445	4,500	1,830	9	1,839	25,716	2,476	2,333	18	18	28	48	92,2
Wichita State	b+ 41	777,023	27,988	24,686	16,950	6,052	2,290	6,342	627,117	11,816	5,251	22	29	23	74	549,9
Wisconsin: Parkside	+ 42	342,451	9,044	8,096	6,793	N/A	N/A	N/A	711,622	2,738	8,151	11	11	17	38	98,9

+ - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

ACRL LIBRARY DATA TABLE
COLLEGE LIBRARIES

dent ts.	Total Staff	Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
EXPENDITURES														
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
21	34	168,683	70,056	9,052	0	247,711	353	188,000	186,766	138,770	425,555	48,836	722,455	Macalester College
81	134	182,695	339,927	79,983	N/A	602,605	7,138	1,019,196	461,322	287,631	2,070,549	208,496	2,880,808	Mankato State
6	17	97,612	39,161	0	0	136,773	5,460	145,197	87,673	48,982	232,870	166,287	539,310	Mills College
7	18	156,833	137,535	0	0	294,368	18,198	114,035	83,773	39,758	237,559	121,800	671,925	Reed College
68	98	277,458	131,446	15,157	0	424,061	19,420	441,656	302,023	39,702	783,381	115,842	1,342,704	SUNY College-Oneonta
13	54	177,765	312,865	18,256	0	508,886	N/A	481,354	348,565	34,781	864,700	143,623	1,517,209	SUNY College-Oswego
17	44	314,000	226,000	23,289	16,548	579,829	25,000	304,000	268,550	102,450	675,000	93,863	1,357,152	Swarthmore College
3	6	14,000	7,770	5,000	0	26,770	315	38,250	9,500	11,300	51,050	9,646	87,781	Tusculum College
14	48	167,328	286,289	37,996	44,250	535,855	7,247	307,811	163,661	28,761	500,233	153,134	1,139,849	Union College
9	31	148,566	176,289	4,279	0	321,134	24,317	288,148	128,565	68,235	413,274	146,329	905,054	University of the South
51	137	671,937	872,556	27,188	0	1,371,673	118,612	987,922	1,442,637	64,388	2,494,867	242,848	4,227,994	Victoria
6	13	95,576	90,794	2,084	19,607	208,061	7,340	85,238	54,271	29,982	169,483	74,656	439,953	Wabash
31	74	291,546	269,885	44,524	0	605,875	27,482	422,681	392,997	53,564	869,242	487,884	1,918,483	Wellesley College
13	75	487,601	335,329	51,156	N/A	874,086	34,705	800,372	513,070	120,080	1,433,442	292,866	N/A	Western Illinois
28	48	92,272	116,865	0	0	209,137	344	253,819	124,073	139,535	501,338	128,146	842,409	Wheaton College
23	74	569,931	384,630	20,222	0	974,783	0	539,438	439,266	169,172	1,147,876	436,396	2,559,055	Wichita State
17	38	90,968	242,893	23,367	N/A	357,228	2,451	386,968	168,484	122,199	597,651	147,909	1,105,239	Wisconsin- Parkside

ACRL LIBRARY DATA TABLE
COLLEGE LIBRARIES
TOTALS

	COLLECTIONS								INTERLIBRARY LOANS		PERSONNEL (FTE)				
	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units in Library	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Printed Materials
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
COLLEGE MEDIAN															COLLEGE MEDIAN
	360,924	8,962	8,272	7,526	2,305	104	2,488	198,866	2,348	2,142	11	15	15	44	182,69
COLLEGE HIGH															COLLEGE HIGH
	1,279,000	52,000	51,573	25,223	9,230	2,290	10,071	2,020,385	18,461	12,616	48	99	139	275	802,27
COLLEGE LOW															COLLEGE LOW
	59,580	700	472	0	230	0	265	1,332	2	45	2	1	3	6	14,0
TOTALS - COLLEGE LIBRARIES															TOTALS - COLLEGE LIBRARIES
	19,796,072	561,124	452,707	337,219	105,499	10,576	116,075	18,263,803	129,501	114,138	643	962	1,025	2,630	18,520,49

ACRL LIBRARY DATA TABLE
COLLEGE LIBRARIES
TOTALS

dent ts.	Total Staff	Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses
13	14	15	16	17	18	19	20	21	22	23	24	25	26
		EXPENDITURES											
COLLEGE MEDIAN						COLLEGE MEDIAN							
15	44	182,695	226,000	13,290	0	415,088	17,000	307,811	233,496	60,320	596,746	146,329	1,114,692
COLLEGE HIGH						COLLEGE HIGH							
139	275	802,272	891,327	141,811	62,390	1,655,757	118,612	1,245,955	1,762,383	526,710	3,314,046	592,488	5,437,892
COLLEGE LOW						COLLEGE LOW							
3	6	14,000	7,770	0	0	0	0	30,250	9,500	11,300	51,050	9,666	87,781
TALS - COLLEGE LIBRARIES						TOTALS - COLLEGE LIBRARIES							
,025	2,630	10,520,497	11,452,652	1,132,666	142,787	23,248,582	731,955	18,114,655	15,257,362	4,211,549	38,627,686	8,245,072	67,446,495

ANALYSIS OF SELECTED VARIABLES OF COLLEGE LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ACRL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for these college libraries.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	31	26	9
2. Nonprofessional Staff as percent of Total Staff	52	42	11
3. Student Assistant Staff as percent of Total Staff	80	27	23
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	0.9:1	0.7:1	0.5:1
5. Ratio of Items Loaned to Items Borrowed	2.0:1	1.5:1	0.8:1
6. Serials Expenditures as percent of Materials Expenditures	44	39	37
7. Materials Expenditures as percent of Total Operating Expenditures	80	35	20
8. Contract Binding as percent of Total Operating Expenditures	2.9	1.6	0.9
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	85	49	19
10. Other Operating Expenditures as percent of Total Operating Expenditures	60	17	13
11. Unit cost of monographs (per volume)	33.00	31.58	30.16
12. Unit cost of serials (per title)	113.07	111.44	89.45

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ACRL libraries.

SELECTED RATIOS
COLLEGE LIBRARIES

INSTITUTION NAME	1 TRANS PER VOLS	2 TRANS PER STUDENT	3 TRANS PER STAFF MEMBER	4 VOLS ADDED PER STUDENT	5 % EXPENDS FOR PRINT	6 % EXPENDS FOR AV	7 % EXPENDS FOR SERIALS	8 % COL DEV EXP OF TOT BUDGET	9 REF TRANS PER STUDENT	10 PERSONS IN BI PER STUDENT
Amherst College	0.12	51.82	1658	13.81	60.45	.	34.81	33.56	0.12	0.34
Austin College	0.14	17.66	470	4.05	54.86	0.35	37.22	21.05	.	0.89
Bowdoin College	0.05	.	954	.	57.56	.	36.16	85.66	.	.
Bryn Mawr	0.09	28.76	1065	11.27	50.54	0.00	40.88	40.83	.	1.10
Calif. State, Long Beach	0.89	34.21	3084	1.33	35.11	4.25	56.09	29.22	0.06	0.01
Calif. State, Northridge	0.33	13.26	1922	1.50	47.25	0.43	41.91	33.83	0.41	0.80
Calif. State, Sacramento	0.70	21.51	4491	1.03	47.70	5.55	43.60	29.50	0.17	0.60
Cedar Crest & Muhlenberg	0.14	16.70	1021	2.26	40.83	3.96	45.82	35.73	0.08	0.02
City College of CUNY	0.11	9.69	1450	2.34	33.88	0.59	60.79	32.60	0.15	0.06
Colorado,Colorado Springs	0.29	12.52	2202	1.84	45.63	0.06	48.23	45.81	0.10	0.03
Colorado College	0.18	31.18	2077	3.64	50.54	0.52	25.18	44.93	0.20	0.08
Davidson College	0.14	32.38	1598	7.48	39.01	0.00	52.94	48.40	0.08	0.11
DePaul	0.31	14.81	1699	1.76	22.80	0.39	67.43	33.02	0.24	0.01
Earlham	0.14	28.00	3559	4.93	52.08	0.00	41.89	35.72	.	4.91
East Carolina	0.24	13.03	876	1.64	41.40	1.53	51.61	35.93	0.08	0.03
Eastern Michigan	0.28	9.61	1414	0.86	32.44	2.85	54.15	22.19	0.11	0.02
Elmira College	0.10	10.07	865	2.18	64.81	5.44	27.00	30.41	0.12	0.10
Furman	0.18	18.61	1327	2.23	32.25	0.69	45.06	51.40	0.02	0.02
Gonzaga	0.10	15.95	968	3.62	16.64	0.28	76.30	32.88	0.15	0.12
Gustavus Adolphus College	0.14	13.39	1214	2.55	59.80	2.04	34.21	33.64	0.07	0.07
Humboldt State	0.64	35.67	4622	2.78	53.89	0.00	33.15	39.70	0.13	0.02
Hunter College of CUNY	0.23	10.73	1545	1.73	44.70	0.22	51.05	36.13	0.12	0.02
Kalamazoo College	0.12	26.94	1669	5.65	47.26	0.00	44.36	33.48	0.39	0.14
Knox College	0.09	.	1235	.	.	.	.	.	.	.
Lawrence	0.08	22.68	1454	5.54	54.58	5.80	34.44	40.76	.	0.05
Macalester College	0.16	15.54	1454	2.54	67.96	2.57	28.24	34.34	0.03	0.02
Mankato State	0.15	8.00	759	0.63	30.32	8.37	56.41	20.86	0.20	0.07
Mills College	0.18	28.49	1976	4.10	68.63	.	27.53	26.37	0.08	0.03
Reed College	0.09	26.92	1620	6.38	50.18	0.00	44.00	46.52	0.13	0.05
SUNY College-Oneonta	0.22	17.98	1055	2.56	62.56	0.18	29.64	33.03	0.19	0.05
SUNY College-Oswego	0.31	16.72	2072	1.82	33.44	2.11	58.85	35.04	0.07	0.11
Swarthmore College	0.20	69.50	2090	6.71	51.90	1.37	37.35	44.58	2.89	0.86
Tusculum College	0.10	9.61	1033	1.09	51.69	1.11	28.69	30.86	0.16	0.24
Union College	0.06	10.61	658	2.95	30.64	0.34	52.42	47.91	0.15	0.02
University of the South	0.06	19.37	730	5.23	40.63	1.24	50.96	38.22	0.19	0.09
Victoria	0.40	61.57	3746	6.24	31.67	0.56	58.55	35.25	0.09	0.04
Wabash	0.14	37.22	2419	5.47	44.17	0.96	41.96	49.19	.	0.18
Wellesley College	0.10	27.80	814	6.92	46.03	1.05	42.60	33.15	0.10	0.04
Western Illinois	0.21	8.78	1698	1.74	53.65	0.41	36.90	.	0.02	0.02
Wheaton College	0.13	30.14	671	5.82	44.12	0.00	55.88	24.83	0.09	0.05
Wichita State	0.28	20.05	2987	2.54	56.31	0.21	38.00	39.55	0.12	0.02
Wisconsin, Parkside	0.16	12.64	1410	2.13	25.29	4.17	67.53	32.54	0.15	0.08

ACRL LIBRARY DATA TABLE
JUNIOR COLLEGE LIBRARIES

INSTITUTION	Libr No.	COLLECTIONS: Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Monographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	INTERLIBRARY LOANS: Total Loaned	Total Borrowed	PERSONNEL (FTE): Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials	Other
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Austin Comm. Coll.	b	1	65,852	5,182	2,957	4,095	1,039	53	1,092	N/A	573	561	19	26	2	47	77,000	
Bellevue Comm. Coll.	b	2	42,362	907	374	N/A	430	20	450	41,115	488	149	4	12	2	18	17,877	
Carl Sandburg College	†	3	37,267	1,220	1,024	N/A	601	59	660	31,436	587	147	4	5	6	15	18,630	
Clackamas Comm. Coll.		4	56,613	1,631	1,205	951	295	3	298	53,121	666	1,012	3	6	3	12	21,900	
Coffeyville Comm. Coll.	b†	5	25,471	666	283	454	235	14	249	5,177	292	183	1	5	5	10	9,681	
College of the Mainland	†	6	48,085	1,476	1,076	1,241	331	0	331	47,223	0	9	3	10	3	15	31,736	
Davidson County Comm Coll	b†	7	47,741	1,298	363	1,225	288	10	298	11,529	176	153	4	5	1	9	34,092	
Guilford Tech. Comm Coll.	†	8	50,853	2,434	1,441	2,677	330	103	433	9,882	196	157	3	8	1	11	58,699	
Houston Comm. Coll.	bLM†	9	184,084	10,862	8,777	4,443	1,173	12	1,185	N/A	0	25	17	28	4	41	185,284	
Illinois Central College		10	76,657	961	726	1,342	525	19	544	23,341	1,189	881	6	15	10	31	59,155	
John A. Logan College	b	11	28,413	1,519	1,496	988	240	12	252	5,816	336	816	3	5	6	14	18,699	
Kauai Comm. Coll.		12	34,093	1,550	1,131	1,609	291	7	298	7,775	37	257	3	2	4	9	24,947	
Los Angeles City College	b	13	159,431	1,089	813	0	165	35	200	20	15	3	3	5	3	11	21,168	
Macomb Comm. Coll.	b	14	106,024	2,360	-860	2,843	924	0	924	32,601	138	70	17	24	20	61	86,514	
Mercer County Comm. Coll.		15	78,306	3,662	1,074	3,662	708	16	716	69,988	150	250	6	7	3	16	22,862	
Mt. San Antonio College		16	80,858	3,364	2,556	2,391	515	140	655	13,246	10	433	6	10	4	20	48,280	
Northeastern Oklahoma A&M	b	17	60,878	3,475	2,898	3,588	339	12	351	14,356	0	329	3	7	3	13	71,378	
Ohlone College	b	18	58,210	1,876	N/A	N/A	594	609	1,003	N/A	21	7	3	6	2	11	35,045	
Penn Valley Comm. Coll.	†	19	64,386	583	412	963	245	3	248	6,202	11	42	6	5	3	12	24,088	
Prince George's Comm Coll	†	20	81,580	2,000	1,050	1,350	511	5	516	8,077	15	102	9	11	5	26	68,706	
S.O. Bishop St. Jr. Coll.		21	38,188	1,513	1,481	1,416	292	0	292	0	3	18	2	3	14	19	46,000	
St. Petersburg Jr. Coll.	b†	22	89,207	2,595	-3,473	2,478	527	10	537	19,186	23	32	5	8	9	22	33,412	
San Antonio College		23	354,518	11,089	9,559	11,089	859	202	1,061	54,686	2,967	696	19	26	66	91	112,021	
Shelby State Comm. Coll.	†	24	52,202	2,317	1,768	2,196	350	26	376	5,130	50	18	6	6	4	14	33,000	
State Tech. Inst. Memphis		25	39,226	1,713	1,229	0	278	89	367	13,132	15	0	3	4	4	11	45,389	
William P. Hobby College	L	26	104,861	3,306	-10,703	0	738	50	788	27,356	1,595	231	14	30	15	54	79,600	

† - See Footnotes
b - Bibliographic Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

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ACRL LIBRARY DATA TABLE
JUNIOR COLLEGE LIBRARIES

...dmnt ...ts.	Total Staff	EXPENDITURES: Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assts.	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses	INSTITUTION
13	14	15	16	17	18	19	20	21	22	23	24	25	26	
2	47	97,000	29,228	63,000	0	189,228	1,027	547,599	338,577	69,134	955,310	238,917	1,384,682	Austin Comm. Coll.
2	18	17,877	33,336	0	N/A	51,213	N/A	151,290	210,476	14,408	376,445	39,673	467,331	Bellevue Comm. Coll.
6	15	18,638	12,388	16,513	5,008	52,531	N/A	99,891	67,319	2,211	169,421	63,876	260,826	Carl Sandburg College
3	12	21,958	10,033	5,426	0	37,367	0	85,244	73,489	0	158,733	16,549	212,649	Clackamas Comm. Coll.
5	10	9,681	8,422	15,469	0	33,572	657	31,950	68,794	N/A	80,745	15,448	130,416	Cottonville Comm. Coll.
3	15	31,736	10,685	4,676	0	46,695	702	152,127	177,582	6,883	336,592	27,236	411,225	College of the Mainland
1	9	34,092	7,663	17,605	984	60,104	253	107,262	69,673	5,113	176,935	32,084	269,492	Davidson County Comm Coll
1	11	58,609	25,216	6,437	N/A	90,262	224	77,520	124,518	1,263	202,038	20,243	312,767	Guilford Tech. Comm Coll.
4	41	185,284	108,604	130,976	0	416,864	0	657,738	357,087	0	1,014,825	148,979	1,580,668	Houston Comm. Coll.
10	31	59,155	22,076	218,713	7,869	307,813	83	374,530	124,130	89,710	588,370	125,196	1,013,593	Illinois Central College
6	16	18,099	9,696	38,537	N/A	58,532	N/A	189,356	59,116	12,177	188,649	42,870	274,050	John A. Logan College
4	9	24,947	12,169	11,335	0	48,451	0	93,163	44,395	15,953	153,491	15,137	217,079	Kauai Comm. Coll.
3	11	21,160	8,500	0	0	29,660	0	124,432	112,516	488	237,436	0	267,096	Los Angeles City College
20	61	86,514	68,631	66,899	0	202,044	243	675,532	367,715	138,737	1,181,984	342,897	1,599,262	Macomb Comm. Coll.
3	16	22,862	21,162	18,700	5,000	59,724	4,000	96,274	119,451	11,000	226,725	23,116	378,057	Mercer County Comm. Coll.
4	28	48,280	29,000	0	0	77,280	8,322	299,784	322,868	7,715	630,367	34,662	750,611	Mt. San Antonio College
3	13	71,370	12,387	10,415	1,000	95,892	1,564	87,530	73,356	5,395	166,280	69,374	331,310	Northeastern Oklahoma A&M
2	11	35,045	21,509	204,262	N/A	262,816	N/A	149,377	96,670	7,197	N/A	0	N/A	Ohlone College
3	12	24,000	10,000	0	0	34,000	N/A	92,433	126,198	3,278	222,351	2,300	258,651	Penn Valley Comm. Coll.
5	24	60,706	19,936	43,768	N/A	124,460	1,200	274,920	169,153	28,250	466,323	49,602	639,385	Prince George's Comm Coll
14	19	46,000	10,996	13,250	0	70,246	1,160	61,328	43,399	10,831	104,729	45,720	221,855	S.D. Bishop St. Jr. Coll.
9	22	33,412	19,524	26,691	N/A	79,627	2,676	168,968	87,776	10,411	267,135	19,308	368,745	St. Petersburg Jr. Coll.
46	91	112,021	35,294	47,435	96	194,846	7,000	758,613	466,196	122,518	1,327,327	361,172	1,890,269	San Antonio College
4	14	33,000	12,000	23,000	N/A	68,000	500	111,761	33,910	1,340	145,671	44,141	259,812	Shelby State Comm. Coll.
6	11	45,389	24,045	18,500	0	87,934	0	96,385	33,609	1,937	131,931	47,054	266,919	State Tech. Inst. Memphis
18	54	79,400	45,548	66,599	N/A	191,539	3,124	667,505	476,834	79,500	1,023,839	239,448	1,457,950	William P. Harper College

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ACRL LIBRARY DATA TABLE
ARMOR COLLEGE LIBRARIES
TOTALS

	COLLECTIONS								INTERLIBRARY LOANS		PERSONNEL (FTE)					
	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Newspaper Titles Purchased	Current Serials Purchased	Current Serials Purchased Not Purchased	Current Serials Total	Total Microform Units in Library	Total Loaned	Total Borrowed	Prof. Staff	Non-Prof. Staff	Student Assts.	Total Staff	Printed Materials	[illegible]
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
ARMOR COLLEGE MEDIAN																ARMOR COLLEGE MEDIAN
	59,564	1,882	1,168	1,416	375	15	441	13,246	96	151	4	7	4	15	36,568	
ARMOR COLLEGE HIGH																ARMOR COLLEGE HIGH
	354,518	11,089	9,559	11,089	1,173	609	1,185	69,998	2,967	1,012	19	38	46	91	185,284	
ARMOR COLLEGE LOW																ARMOR COLLEGE LOW
	25,471	444	283	0	165	0	288	0	0	0	1	2	1	9	9,481	
TOTALS - ARMOR COLLEGE LIBRARIES																TOTALS - ARMOR COLLEGE LIB
	1,984,926	70,318	43,689	58,825	12,599	1,389	13,908	508,226	9,465	6,469	178	277	177	649	1,288,188	

ACRL LIBRARY DATA TABLE
JUNIOR COLLEGE LIBRARIES
TOTALS

	EXPENDITURES													
[illegible] No.	Total Staff	Printed Materials	Current Serials	Other Library Materials	Misc. Materials Expenses	Total Library Materials	Contract Binding	Salaries & Wages Prof	Salaries & Wages Non-Prof	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenses	Total Library Expenses
13	14	15	16	17	18	19	20	21	22	23	24	25	26
JUNIOR COLLEGE MEDIAN						JUNIOR COLLEGE MEDIAN							
42	15	14,568	19,755	17,059	0	73,763	657	118,096	115,982	7,715	226,725	41,271	331,310
JUNIOR COLLEGE HIGH						JUNIOR COLLEGE HIGH							
464	91	185,284	100,404	218,713	7,669	416,484	8,122	758,413	476,834	138,737	1,327,327	361,172	1,690,249
JUNIOR COLLEGE LOW						JUNIOR COLLEGE LOW							
11	9	9,681	7,403	0	0	29,660	0	31,950	13,409	0	98,765	0	130,414
TOTALS - JUNIOR COLLEGE LIBRARIES						TOTALS - JUNIOR COLLEGE LIBRARIES							
1771	619	1,288,185	599,942	1,056,004	20,569	2,962,700	12,735	5,952,472	4,206,774	637,461	10,523,622	2,046,500	15,183,263

ANALYSIS OF SELECTED VARIABLES
JUNIOR COLLEGE LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ACRL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for these junior college libraries.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	40	31	22
2. Nonprofessional Staff as percent of Total Staff	67	61	55
3. Student Assistant Staff as percent of Total Staff	11	8	4
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	0.7:1	0.5:1	0.3:1
5. Ratio of Items Loaned to Items Borrowed	2.7:1	1.9:1	1.1:1
6. Serials Expenditures as percent of Materials Expenditures	65	40	15
7. Materials Expenditures as percent of Total Operating Expenditures	14	12	11
8. Contract Binding as percent of Total Operating Expenditures	0.1	0.1	0.1
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	81	75	69
10. Other Operating Expenditures as percent of Total Operating Expenditures	17	13	9
11. Unit cost of monographs (per volume)	23.69	23.69	23.69
12. Unit cost of serials (per title)	77.53	52.83	28.13

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ACRL libraries.

SELECTED RATIOS
JUNIOR COLLEGE LIBRARIES

INSTITUTION NAME	1 TRANS PER VOLS	2 TRANS PER STUDENT	3 TRANS PER STAFF MEMBER	4 VOLS ADDED PER STUDENT	5 % EXPENDS FOR PRINT	6 % EXPENDS FOR AV	7 % EXPENDS FOR SERIALS	8 % COL DEV EXP OF TOT BUDGET	9 REF TRANS PER STUDENT	10 PERSONS IN BI PER STUDENT
Austin Coun. Coll.	0.75	6.84	1056	0.51	58.98	27.86	15.36	13.74	0.06	0.01
Bellevue Coun. Coll.	0.77	2.79	1818	0.08	34.91	.	65.09	10.96	0.01	0.01
Carl Sandburg College	0.44	6.55	1092	0.69	35.48	23.20	23.57	20.16	0.04	0.02
Clackamas Coun. Coll.	0.87	1.93	3953	0.07	58.67	0.00	26.78	17.62	0.01	0.01
Cottonville Coun. Coll.	0.61	25.64	1566	0.72	28.28	24.39	24.60	26.25	0.24	0.08
College of the Mainland	0.41	9.67	1309	0.73	66.96	1.70	22.12	11.53	0.05	0.31
Davidson County Coun Coll	0.57	15.21	3828	0.72	56.48	17.80	12.60	22.48	0.25	1.60
Guilford Tech. Coun Coll.	0.74	6.28	3429	0.61	64.77	6.78	27.87	28.93	0.13	0.00
Houston Coun. Coll.	1.25	12.52	3176	0.97	44.45	31.42	24.13	26.37	4.00	0.56
Illinois Central College	1.17	16.45	2904	0.15	19.21	32.81	7.17	30.38	0.04	1.39
John A. Logan College	0.36	3.95	723	0.59	19.99	57.16	19.58	18.44	.	0.49
Kauai Coun. Coll.	0.39	22.15	1563	2.44	51.04	11.98	24.89	22.52	0.17	0.02
Los Angeles City College	0.18	1.35	2576	0.09	71.34	0.00	28.66	11.11	1.19	0.02
Macomb Coun. Coll.	0.35	2.92	609	0.19	42.77	29.37	24.04	12.97	0.16	0.94
Mercer County Coun. Coll.	0.27	2.09	1305	0.37	38.28	9.56	35.43	15.80	0.17	0.23
Mt. San Antonio College	0.53	4.09	1520	0.22	56.40	.	33.88	11.41	0.05	0.07
Northeastern Oklahoma A&M	0.46	.	2171	.	73.23	7.86	12.63	29.42	.	.
Ohlone College	0.31	3.36	1632	0.25	13.33	3.04	8.18	.	0.04	0.02
Penn Valley Coun. Coll.	0.17	2.31	907	0.11	70.59	0.00	29.41	13.15	0.08	0.09
Prince George's Coun Coll	0.40	4.93	1371	0.30	48.31	19.89	15.90	19.65	2.43	1.43
S.D. Bishop St. Jr. Coll.	0.19	5.56	385	1.15	64.42	18.21	15.40	32.19	0.82	0.08
St. Petersburg Jr. Coll.	0.68	19.65	2767	0.84	40.60	10.68	23.72	22.32	0.08	0.05
San Antonio College	0.18	5.46	704	0.95	57.49	17.52	18.11	18.31	.	0.03
Shelby State Coun. Coll.	0.35	7.20	1320	0.90	48.18	29.20	17.52	26.37	0.22	0.10
State Tech. Inst. Memphis	0.16	1.67	567	0.46	51.62	0.00	27.36	32.96	0.01	0.06
William R. Harper College	0.32	4.21	630	0.41	41.45	21.39	23.78	13.16	0.04	0.01

Association of College and Research Libraries a division of the American Library Association

October 20, 1986

Dear Library Director:

Enclosed are copies of the questionnaire for the 1985-86 ACRL Academic Library Statistics. **Please read the instructions carefully.** There have been major changes in the questionnaire as compared to previous years. The new form is the result of the efforts of the ACRL Academic Library Statistics Committee and builds on the excellent work of the ACRL Task Force on Academic Library Statistics (1982-1985).

This past year the Committee was asked by the ACRL Executive Board to review the Task Force report issued in the summer of 1985, and to work with the ALA Office for Research on its proposed national system for data collection. While completing these two assignments, the Committee, with the assistance of Mary Jo Lynch, Director of the Office for Research, was also able to coordinate its efforts with the Center for Statistics, U.S. Department of Education.

As you probably know, the Department of Education will replace the HEGIS form beginning in 1988. The new questionnaire will be part of the Integrated Postsecondary Education Data System (IPEDS). The final questionnaire is yet to be printed, but the Committee has maintained close contact with its development, since another of the Committee's goals is to make statistics reporting uniform for academic libraries.

At the same time, the Committee was careful to preserve those data elements that appeared in the previous ACRL questionnaires and were used to produce the ACRL Statistics. The previous ACRL Statistics collected the same data as that collected by the Association of Research Libraries. The Committee reviewed the 1985-86 ARL Statistics Survey to ensure that the necessary data would be collected by ACRL to issue a comparable report. Those data elements are indicated by an asterisk in the questionnaire. The 1985-86 ACRL Academic Library Statistics report will be published in 1987.

50 East Huron Street Chicago, Illinois 60611 (312) 944-6780

In the future ACRL hopes to expand its statistics gathering efforts to include additional libraries. Planning is also under way that will lead to the development of a database for academic library statistics. Individual libraries would then be able to acquire comparative data from peer institutions.

For those campuses that have separate law and/or medical libraries we have supplied additional forms. The regular statistics questionnaire should be completed as in the past, i.e., if you included the statistics for your law and/or medical library, please continue to do so. But complete the separate questionnaire(s) included in this mailing--gray for law libraries, pink for medical libraries--as well. Two copies of each questionnaire are enclosed. One copy is intended to serve as a working copy. Please return one copy of each questionnaire to Academic Library Statistics, ACRL/ALA, 50 E. Huron St., Chicago, IL 60611 no later than December 1, 1986.

If you have any questions about how to fill out the questionnaire please contact Mary Ellen Davis, ACRL Program Officer, at (312)-944-6780, ext. 287. Any comments or suggestions you have toward improving the questionnaire will be appreciated and should be directed to Kent Hendrickson, Dean of Libraries, University of Nebraska-Lincoln, Lincoln, NE 68588-0410.

Thank you for your cooperation.

Sincerely,

Kent Hendrickson
Chair, Academic Library Statistics Committee

JoAn S. Segal
Executive Director

KH/dej

Enclosures

Association of College and Research Libraries
a division of the American Library Association

October 20, 1986

Dear Library Director:

This letter and attached questionnaire are being sent to university libraries that are a part of the ACRL Statistics report. As the Director of a library that participated in the 1984 "100 Libraries" Statistical Survey we are asking for your cooperation and input once again. May we ask that you fill out the questionnaire and return it to the ACRL office by the date indicated. Any comments, suggestions, questions toward improving the questionnaire will also be appreciated and should be directed to Kent Hendrickson, Dean of Libraries, University of Nebraska-Lincoln, Lincoln, NE 68588-0410.

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Thank you for your cooperation.

Sincerely,

Kent Hendrickson
Chair, Academic Library Statistics Committee

JoAn S. Segal
Executive Director

KH/dej

Enclosures

Association of College and Research Libraries

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ACRL ACADEMIC LIBRARY STATISTICS SURVEY, 1985 - 1986

GENERAL INSTRUCTIONS

Please respond to each item on this form in the space provided. The instructions provide definitions of terms used on the form. If the appropriate answer is "0" or none, use "0." If an exact figure is not available for a particular item but the amount is known to be greater than zero, ENTER AN ESTIMATE OF THE AMOUNT. Refer to the American National Standard for Library and Information Sciences and Related Publishing Practices-Library Statistics ANSI Z39.7 (NY: American National Standards Institute, 1983, p. 36-39) for information on estimation methods and other definition clarifications. Note: An asterisk next to a line number indicates that this question is asked by the Association of Research Libraries on their "ARL Statistics, 1985-86."

I. INSTITUTIONAL IDENTIFICATION

In the space provided at the top of the report, enter the institution's complete name and address. Also, please enter the name, title, area code and phone number of the person responsible for completing the report. Law and medical libraries are asked to fill out a separate form, whether or not they are administered by the central library and included in central library's form. (Separate copies of this questionnaire were sent with this form to institutions with law and medical libraries.)

II. PERIOD OF REPORT

Report information for fiscal year 1986--any 12-month period between June 1, 1985 and September 30, 1986 which corresponds to your institution's fiscal year.

III. INSTRUCTIONS FOR PART A - NUMBER OF PUBLIC SERVICE OUTLETS, FISCAL YEAR 1986

BRANCH LIBRARIES (line 1). Report the number of branch libraries at your institution that were open all or part of fiscal year 1986. (DO NOT COUNT THE MAIN OR CENTRAL LIBRARY.) Branch libraries are auxiliary units which have all of the following: (1) separate quarters, (2) a permanent basic collection of books, (3) a permanent staff, and (4) a regular schedule for opening to the public. They are, however, administered from a central unit.

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IV. INSTRUCTIONS FOR PART B - LIBRARY STAFF, FISCAL YEAR 1986

FULL-TIME EQUIVALENT (FTE) EMPLOYEES. Report the sum of the number of FTE employees plus the number of FTE of part-time employees. To compute FTE of part-time employees, take the number of hours worked by part-time employees and divide it by the number of hours CONSIDERED BY THE REPORTING LIBRARY TO BE A FULL-TIME WORK WEEK. (E.g., 60 hours per week of part-time work divided by 40 hours per full-time week equals 1.5 FTE).

LIBRARIANS AND OTHER PROFESSIONALS (line 2). Report the total FTE for staff members, doing work that requires professional training and skill in the theoretical or scientific aspect of library work, or both, as distinct from its mechanical or clerical aspect. Include Chief Librarian, Deputy, Associate, and Assistant Chief Librarian, and professionals who are not librarians (such as budget officers or systems analysts). Include funded positions which are temporarily vacant.

ALL OTHER PAID STAFF (line 3). Report the total FTE for all other staff who are paid annual salaries or hourly wages, except students who are reported on line 5. Exclude maintenance and custodial staff.

CONTRIBUTED SERVICES STAFF (line 4). Report the total FTE of contributed services staff. Contributed services staff are those, such as members of religious orders, whose services are valued by bookkeeping entries rather than by full cash transactions. Do not include volunteers.

STUDENT ASSISTANTS FROM ALL FUNDING SOURCES (line 5). Report the total FTE for students employed on an hourly basis whose wages are charged either to the library budget or to a budget other than the library budget. Exclude maintenance and custodial staff.

TOTAL FTE STAFF (line 6). Report the sum of lines 2 through 5.

V. INSTRUCTIONS FOR PART C - LIBRARY OPERATING EXPENDITURES, FISCAL YEAR 1986

Part C has been divided into two sections to facilitate reporting. All operating expenditures must be reported in Section I, Standard Operating Expenditures, which includes lines for items that appear in most library operating budgets. Expenditures for some of these items are requested again in Section II under special headings so that trends in these important areas can be monitored. Section II, Selected Special Expenditures, includes lines for expenditures which may appear in different places on different library budgets. (For example, expenditures for online database searching may be considered collection expenditures in some libraries, while in others, it may be reported under "other operating expenditures.") Canadian libraries: Report expenditures in Canadian dollars; place a C before the dollar sign.

EXPENDITURES (lines 7-22). Report the funds expended from the library budget in fiscal year 1986 regardless of when the funds may have been received from Federal, State, or other resources. Expenditures should be reported for the 12-month period which corresponds to your library's fiscal year between June 1, 1985 to September 30, 1986. Report all expenditures in whole dollars.

A. SECTION I: Standard Operating Expenditures

SALARIES AND WAGES (line 7). Report expenditures for full-time and part-time salaries and wages (including students) before deductions, but exclude fringe benefits provided by your institution for all regular library staff. Exclude contributed services and maintenance and custodial staff.

PRINT MATERIALS (line 8). Report expenditures for materials consisting primarily of words and usually produced by making an impression with ink on paper. Included in this category are materials that do not require magnification: books, government documents, braille materials, ephemeral print materials, and the like. Exclude current serial subscriptions and microforms.

CURRENT SERIAL SUBSCRIPTIONS (line 9). Report expenditures for current subscriptions to serials. Serials are publications issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies. Exclude monographic and publishers' series. Include all physical formats.

MICROFORMS (line 10). Report expenditures for photographic reproductions of textual, tabular, or graphic materials reduced in size so that they can be used only with magnification. Examples of microforms are roll microfilm, microcard, microfiche, and ultrafiche. Exclude current serial subscriptions.

AUDIOVISUAL MATERIALS (line 11). Report expenditures for library materials that are displayed by visual projection or magnification or through sound reproduction, or both, including graphic materials, audio materials, motion pictures, video materials, and special visual materials such as cartographic and three-dimensional materials.

OTHER MATERIALS (line 12). Report expenditures for other collection materials not already reported.

PRESERVATION (line 13). Report expenditures for the activities associated with maintaining library and archival materials for use either in their original physical form or in some other usable way, including but not limited to binding and rebinding, materials conversion, deacidification, lamination, and restoration.

FURNITURE & EQUIPMENT (line 14). Report expenditures for all library furniture and equipment purchased during the 1986 fiscal year. Include furniture, microform equipment, audiovisual equipment and computer-related equipment.

ALL OTHER OPERATING EXPENDITURES (line 15). Report all other operating expenditures not mentioned above. Exclude capital outlay.

TOTAL OPERATING EXPENDITURES (line 16). Report the sum of lines 7-15.

B. SECTION II: Selected Special Expenditures. (Note: Report in this section only expenditures from the library's operating budget which have already been reported in Section I.)

POSTAGE (line 17). Report all expenditures for postage and delivery, including U.S. Mail and commercial delivery services during the 1986 fiscal year.

TELECOMMUNICATIONS (line 18). Report any separately billed expenditures for all types of telecommunication including telephone, electronic mail, teleconferencing, telefacsimile, teletype or telex. If telecommunication charges are included with another expenditure, they should be reported with that other expenditure.

CONTRACTED COMPUTER SERVICES (line 19). Report any costs related to purchased library services done for your library on computers by a computerized library network, computerized cooperative library organization, or by a commercial organization providing library services. Include telecommunications charges if these are not separately billed.

ONLINE DATABASE SEARCHING (line 20). Report expenditures from the library budget for all reference transactions in which the source utilized is one or more databases searched online by computer. Include all database searches. Do not include expenditures of non-library funds. Include telecommunications charges if these are not separately billed.

COMPUTER HARDWARE (line 21). Report any costs related to the purchase of computers, printers, or any physical component of a computer.

MACHINE READABLE MATERIALS (line 22). Report expenditures for both machine readable data files and microcomputer applications software. Machine readable data files are data files that exist in media such as punched cards, paper tape, magnetic tape and disks, and digital videodisks, that are designed to be processed by a computer or other machine. Examples are U.S. Census data tapes and reference tools on tape or disk. Do not include bibliographic records used to manage the collection. Microcomputer software contains instructions which direct the computer to perform some action. Examples are dBaseIII, SuperCalc, or WordStar. Do not include microcomputer software used only by library staff.

VI. INSTRUCTIONS FOR PART D - LIBRARY COLLECTIONS, FISCAL YEAR 1986

TOTAL NUMBER ADDED DURING FISCAL YEAR (Column 1). Report the gross number of each category added. Do not subtract the number withdrawn.

TOTAL NUMBER HELD AT END OF FISCAL YEAR (Column 2). Report the total gross number of each category held at end of fiscal year.

A degree mark (°) at the left of the line indicates that duplicate copies should be excluded.

VOLUMES (line 23). Report the number of volumes of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, which has been cataloged, classified, or otherwise made ready for use. Include bound periodicals and newspapers and government documents integrated with the general collection and exclude microforms.

TITLES (line 24). Report the number of discrete bibliographic items for which separate shelflist entries have been made. Include all cataloged items regardless of format. (SHELFLIST: A record of materials in a library, arranged in the order in which the materials stand when they are shelved or stored.) Thus, six copies of the same edition of a title count as one title; two editions

of the same title which have been cataloged or recorded separately count as two titles; a set of six monographs for which six shelflist entries have been made count as six titles; and two multivolume sets of the same edition for which one shelflist entry has been made count as one title. A methodology for estimating the number of titles in a collection by measuring the shelflist is given in the American National Standard for Library and Information Science and Related Publishing Practices: Library Statistics (1983, p. 36).

GOVERNMENT DOCUMENT TITLES (line 25). Report the number of titles of books, serials, or other forms of library material that are published by a government agency. These include publications of federal, state, local, and foreign governments and of intergovernmental organizations to which governments belong and appoint representatives (e.g. the United Nations, Organization of American States, and the Erie Basin Commission). Government documents that are cataloged and shelved with the regular collection should be reported on lines 23 and 24. Only government documents that are organized separately should be reported on line 25.

CURRENT SERIALS RECEIVED (line 26). Report all publications issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.) memoirs, proceedings, and transactions of societies. Exclude monographic and publishers' series.

Current Serials Received - Number of Titles. (line 26a). Report the number of different serial titles available on campus, including those purchased with library funds and those received in other ways. Exclude duplicates.

Current Serials Received - Purchased Subscriptions. (line 26b). Report the number of serial subscriptions paid for out of the library budget. Include duplicates.

Current Serials Received - Non-Purchased Subscriptions. (line 26c). Report the number of serial subscriptions received in the library but not paid for with library funds. Include duplicates.

MICROFORMS (lines 27-29). Report the number of different titles of materials for each of the different categories. Microforms are photographic reproductions of textual, tabular, or graphic materials reduced in size so that they can be used only with magnification. Examples of microforms are microfilm, microcard, microfiche, and ultrafiche. Exclude duplicate copies.

PHYSICAL UNITS OF ALL TYPES OF MICROFORMS (line 30). Report the total number of physical units (not titles) of all types of microforms.

MANUSCRIPTS AND ARCHIVES (line 31). Report the linear feet of shelfspace occupied by these materials. Manuscripts are handwritten or typed documents, including carbon copies. Archives are noncurrent records of an organization or institution preserved because of their continuing value.

CARTOGRAPHIC MATERIALS (line 32). Report the number of units of materials

representing in whole or in part the earth or any celestial body at any scale. These materials include two- and three-dimensional maps and globes.

GRAPHIC MATERIALS (line 33). Report the number of units of materials for viewing without sound. The materials may or may not be projected or magnified. They include art originals, art prints, art reproductions, slides, transparencies, filmstrips, photographs, pictures, postcards, posters, study prints, and the like.

AUDIO MATERIALS (line 34). Report the number of titles of materials on which sounds (only) are stored (recorded) and that can be reproduced (played back) mechanically, electronically, or both. These materials include audiocassettes, audiocartridges, audiodiscs, audioreels, talking books, and other sound recordings.

FILMS (line 35). Report the number of titles of films, with or without recorded sound, bearing a sequence of images that create the illusion of movement when projected in rapid succession (usually 18 or 24 frames per second). Films are produced in a variety of sizes (8, super 8, 16, 35, 55, and 70 mm) and a variety of formats (cartridge, cassette, loop, reel).

VIDEO MATERIALS (line 36). Report the number of titles of materials on which both pictures and sound are recorded. Electronic playback reproduces both pictures and sounds using a television receiver or monitor.

MACHINE-READABLE MATERIALS (line 37). Report the number of titles for both machine-readable data files and microcomputer applications software. Machine-readable data files are data files that exist in media such as punched cards, paper tape, magnetic tape and disks, and digital videodisks, that are designed to be processed by a computer or other machine. Examples are U.S. Census data tapes and reference tools on tape or disk. Do not include bibliographic records used to manage the collection. Microcomputer software contains instructions which direct the computer to perform some action. Examples are dBaseIII, SuperCalc or WordStar. Do not include microcomputer software used only by library staff.

OTHER LIBRARY MATERIALS (line 38). Report here the number of titles of any materials not already included on lines 23-37.

VII. INSTRUCTIONS FOR PART E - LIBRARY LOAN TRANSACTIONS, FISCAL YEAR 1986

CIRCULATION TRANSACTIONS (lines 39-40). Report the number of loans of items from the general collection on line 39 and the number of loans of items from the reserve collection on line 40. The reserve collection consists of those materials that have been removed from the general library collection and set aside in a library so that they will be on hand for a certain course of study or activity in process. Usually the circulation and the length of loan of items in a reserve collection are restricted so that these items will be available to many users who have need of them within a limited time period. Include manual and electronic charge outs, and renewals, each of which is reported as a separate loan.

INTERLIBRARY LOANS (line 41-42). Report the number of transactions in which library materials, or copies of the materials, are made available by one library to another upon request. Loans include both providing (line 41) and receiving (line 42). Libraries involved in these interlibrary loans cannot be under the same administration or on the same campus.

VIII. INSTRUCTIONS FOR PART F - LIBRARY SERVICE PER TYPICAL WEEK, FISCAL YEAR 1986

Collect data during a typical week and report the numbers here. A typical week is defined as a week in which the library is open for its regular hours and contains no holidays. It is seven consecutive calendar days, from Sunday through Saturday, or whatever days the library is normally open that period. If data are available for an entire year rather than for a typical week, then estimate a weekly count by dividing the annual figure by 52.

PUBLIC SERVICE HOURS (line 43). Report an unduplicated count of both main library and branches using the following method. If a library is open from 9:00 a.m. to 5:00 p.m. Monday through Friday, it should report 40 hours per week. If several of its branches are also open during those hours, the figure remains 40 hours. Should Branch A also be open one evening from 7:00 to 9:00, the total hours which users can find service becomes 42. If Branch B is open the same hours on the same evening the total remains 42 but if it is open 2 hours on another evening, or from 5:00 to 7:00 on the evening when Branch A is open later, the total becomes 44 hours during which users can find service.

ATTENDANCE IN LIBRARY (line 44). Report the total number of persons entering the libraries reported on this form per typical week, including persons attending activities, meetings, and those persons requiring no staff services.

REFERENCE TRANSACTIONS (line 45). Report the total number of reference transactions. A reference transaction is an information contact which involves the knowledge, use, recommendations, interpretation, or instruction in the use of one or more information sources by a member of the library staff. Information sources include printed and non-printed materials, machine-readable databases (including computer-assisted instruction), catalogs and other holdings, records, and, through communication or referral, other libraries and institutions, and persons both inside and outside the library. Include information and referral services. A contact that includes both reference and directional services should be reported as one reference transaction. When a staff member utilizes information gained from a previous use of information sources to answer a question, report as a reference transaction, even if the source is not consulted again during this transaction. Duration should not be an element in determining whether a transaction is reference or directional. Do NOT include directional transactions--those information contacts which facilitate the use of the library in which the contact occurs and which do not involve the knowledge, use, recommendation, interpretation, or instruction in the use of any information sources other than those which describe the library, such as schedules, floor plans, handbooks, and policy statements. Examples of directional transactions include giving instruction in locating within the library, staff, library uses, physical features, etc. and giving assistance of a non-bibliographic nature with machines.

INFORMATION SERVICE TO GROUPS (line 46-47). Report the total number of presentations (line 46) and the total number of persons served by those presentations (line 47). An information contact is one which a staff member or person invited by a staff member provides information intended for a number of persons and is planned in advance. Information service to groups may be either bibliographic instruction or library use presentations, or it may be cultural, recreational, or educational presentations. Presentations both on and off the library premises should be included, as long as they are sponsored by the library. Do not include meetings sponsored by other groups using library meeting rooms.

ONLINE DATABASE SEARCHES (line 48). Report the number of reference transactions in which the source utilized is one or more databases searched online by a computer. Include all database searches. These should also be included on line 45.

IX. INSTRUCTIONS FOR PART G - SUPPLEMENTARY LIBRARY DATA

SALARIES AND WAGES (line 49a-c). Exclude fringe benefits.

MATERIALS FUNDS EXPENDITURES (line 50). Include any other materials funds expenditures not included in lines 8-12, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purpose of publications, etc.

CONTRACT BINDING (line 51). Include only contract expenditures. If all binding is done in-house, state this fact and give in-house expenditures in a footnote to the questionnaire; do not include personnel expenditures.

VOLUMES WITHDRAWN (line 52). Exclude microforms, uncataloged government documents, maps, audiovisual material.

VOLUMES PURCHASED (line 53). Report number of volumes purchased. Include all volumes for which an expenditure was made during 1985-86, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote to the questionnaire. Note: this question is concerned with volumes purchased rather than volumes received or cataloged.

X. INSTRUCTIONS FOR PART H - INSTITUTIONAL DATA

PH.D. DEGREES (line 54). Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please indicate this in a footnote.

NUMBER OF FIELDS IN WHICH PH.D. DEGREES CAN BE AWARDED (line 55). For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties formerly enumerated in the form used by the U.S. Department of Education entitled, "Higher Education General Information Survey, Degrees... Conferred," designated as NCES Form 2300-2.1A-1. Although the HEGIS form requested figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ACRL questionnaire.

ENROLLMENT (line 56-59). U.S. libraries should use the 1985-86 enrollment figures reported to the Department of Education on the form entitled "Higher Education General Information Survey XX, Fall Enrollment and Compliance Report...1985," designated as NCES Form 2300-2.3A. The line and column numbers on the HEGIS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported previously to ensure consistency and accuracy.

FACULTY (line 60). U.S. libraries should report the number of faculty for the academic year 1985-86 that were reported to the Department of Education on HEGIS form 2300-3, line 7, columns 1 plus 4, and line 14, columns 1 plus 4. This form was entitled "Salaries, Tenure, and Fringe Benefits of Full-time Instructional Faculty" for 1985-86. Instructional faculty are defined as those members of the Instructional/Research staff who are employed on a full-time basis and whose major regular assignment is instruction, including those with released time for research.

Association of College and Research Libraries
a division of the American Library Association
50 East Huron Street
Chicago, Illinois 60611
(312) 944-6780

ACRL ACADEMIC LIBRARY STATISTICS SURVEY

Institution Name:

Institution Address:

City, State, Zip:

Name of Respondent:

Title:

Phone Number:

1-15

PART A - NUMBER OF PUBLIC SERVICE OUTLETS, FISCAL YEAR 1986

Category	Line No.	
Branch Libraries (Exclude Main or Central Library)	1	

PART B - LIBRARY STAFF, FISCAL YEAR 1986
(EXCLUDE MAINTENANCE AND CUSTODIAL STAFF)

Category	Line No.	
Librarians and Other Professionals	2*	
All Other Paid Staff (Except Students)	3*	
Contributed Services Staff	4	
Student Assistants From All Funding Sources	5*	
Total FTE Staff (Sum of Lines 2 Through 5)	6*	

* Indicates data elements collected by ARL

PART C - LIBRARY OPERATING EXPENDITURES, FISCAL YEAR 1986

SECTION I. STANDARD OPERATING EXPENDITURES

Report in this section ALL expenditures from the library's operating budget.

Category	Line No.	Amount (Whole Dollars Only)
Salaries and Wages	7*	$
Collections Print Materials (Exclude current serial subscriptions and microforms)	8*	$
Current Serial Subscriptions (Include all physical formats)	9*	$
Microforms (Exclude current serial subscriptions)	10	$
Audiovisual Materials	11	$
Other Materials	12*	$
Preservation	13	$
Furniture and Equipment	14	$
All Other Operating Expenditures	15*	$
Total Operating Expenditures (Sum of Lines 7 through 15)	16*	$

SECTION II. SELECTED SPECIAL EXPENDITURES

Report in this section ONLY expenditures from the library's operating budget which have ALREADY been reported in Section I.

Communications Postage	17	$
Telecommunications	18	$
Contracted Computer Services	19	$
Online Database Searching	20	$
Computer Hardware	21	$
Machine Readable Materials	22	$

* Indicates data elements collected by ARL

PART D - LIBRARY COLLECTIONS, FISCAL YEAR 1986

Category	Line No.	Total Number Added During Fiscal Year (1)	Total Number Held At End of Fiscal Year (2)
Book and Bound Serials Number of Volumes	23*		
° Number of Titles	24		
° Number of Government Document Titles (Not reported on lines 23 and 24)	25		
Current Serials Received (Include periodicals, newspapers and government documents)	26a.		
° a. Number of titles	26b.*		
b. Number of purchased subscriptions			
c. Number of non-purchased subscriptions	26c.*		
Microforms ° Number of Book Titles Represented by Microforms	27		
° Number of Serial Titles Represented by Microforms	28		
° Number of Government Document Titles Represented by Microforms and Not Already Counted	29		
Total Number of Physical Units (Not titles) of All Types of Microforms	30*		
Manuscripts and Archives (In linear feet)	31		
Cartographic Materials, Number of Units	32		
Graphic Materials, Number of Units	33		
°Audio Materials, Number of Titles	34		
°Films, Number of Titles	35		
°Video Materials, Number of Titles	36		
°Machine Readable Materials, Number of Titles	37		
°Other Library Materials, Number of Titles	38		

° Exclude Duplicate Copies * Indicates data elements collected by ARL

PART E - LIBRARY LOAN TRANSACTIONS, FISCAL YEAR 1986

Category	Line No.	Number
Circulation Transactions General Collection	39	
Reserve Collection	40	
Interlibrary Loans Provided to Other Libraries	41*	
Received from Other Libraries	42*	

PART F - LIBRARY SERVICE PER TYPICAL WEEK, FISCAL YEAR 1986

Category	Line No.	Number
Public Service Hours	43	
Attendance in Library	44	
Reference Transactions	45	
Information Service to Groups Number of Presentations	46	
Number of Persons Served in Presentations	47	
Online Database Searches	48	

* Indicates data elements collected by ARL

PART G - SUPPLEMENTARY LIBRARY DATA

Category	Line No.	Amount/ Number
Salaries and Wages for:		
a. Professional Staff	49a*	$
b. Non-Professional Staff	49b*	$
c. Student Assistants	49c*	$
Miscellaneous expenditures from materials budget not included in lines 8-12	50*	$
Contract Binding	51*	$
Volumes withdrawn during year	52*	
Number of monographic volumes purchased	53*	

PART H - INSTITUTIONAL DATA

Category	Line No.	Number
Number of Ph.D.s awarded	54*	
Number of fields in which Ph.D.s can be awarded	55*	
Total full-time students (line 14, columns 13 and 14)	56*	
Total FTE part-time students (line 28, column 15)	57*	
Total full-time graduate students (line 11, columns 13 and 14)	58*	
Total FTE part-time graduate students (line 25, column 15)	59*	
Number of full-time instructional faculty	60*	

* Indicates data elements collected by ARL

FOOTNOTES FOR ACRL ACADEMIC LIBRARY STATISTICS, 1985-86

* 1. Law Library statistics are included.

___ Yes ___ No ___ We do not have a Law Library

If yes, also please provide Law Library data on separate questionnaire.

* 2. Medical Library statistics are included.

___ Yes ___ No ___ We do not have a Medical Library

If yes, also please provide Medical Library data on a separate questionnaire.

* 3. Basis of volume count is: ___ Physical ___ Bibliographical

* 4. Number of hours used in calculating work week.

Professional _____ Nonprofessional _____ Student FTE _____

Appendix 2: Methodology

1. Introduction

James Thayer Gerould, who might be considered the father of modern library data collection, published an article in 1906 entitled "A Plan for the Compilation of Comparative University and College Library Statistics" (Library Journal, v. 31, pp. 761-763). Gerould argued that in order to improve the management of academic libraries and to justify budget requests, libraries should exchange comparable data. Viewed in the light of the arguments he makes, sharing of data can be seen as a form of library cooperation--arguably the most successful--and one that has been carried out for a number of years.

The compiler of data is the person between those who fill out the forms and those who want to use the data. In spite of Gerould's optimism, a number of problems arise at various stages in the process of compiling data. What data should the designers of the form request? How should the question be posed? What definitions should be used and how should they be worded? It is a daunting task for the person filling out the form to represent accurately the complex functions of a given library on a form that was designed with all libraries in mind. How should the special features of the library be represented? How can it be made clear that a number that is requested is simply not available? The compiler has problems, too. What does an unexplained symbol mean? Why doesn't a column of figures add up to a stated total?

The purpose of this discussion is to clarify a few of the aspects of this compilation of the ACRL data in order to make the users of these data aware of problems that are not immediately obvious and to improve the collection of library data. If we understand the difficulties in the process of compilation, we can anticipate and deal with them.

The following sections discuss these topics:

2. Adapting the IPEDS form to the formats used here.
3. The use of the notation "N/A."
4. Apparent mathematical errors in the data reported by libraries.
5. Combining forms from different libraries at an institution.

2. Adapting the Data to the ARL and the 100 Libraries Formats

The data were collected using a modified version of the form developed by the U.S. Office of Educational Research and Improvement's Integrated Postsecondary Education Data System (IPEDS). Appendix 1 has a copy of the form and instructions. For this publication, the data were put into two different formats, one

used by the Association of Research Libraries in the 1985-86 ARL Statistics and the other developed for the "100 Libraries," Statistical Survey (Chicago, ACRL, 1985). In order to put the data into those formats, formulas were developed to manipulate the data into the same variables used in these publications. The formulas are given here because it is possible that the data presented are not actually comparable with the data reported in these two publications.

ARL Format

Column in Data Tables	ACRL Question(s)
1	Q23 col. 2
2	Q23 col. 1
3	Q23 col. 1 - Q52
4	Q53
5	Q26b col. 2
6	Q26c col. 2
7	Q26b col. 2 + Q26c col. 2
8	Q30 col. 2
9	Q41
10	Q42
11	Q2
12	Q3
13	Q5
14	Q6
15	Q8
16	Q9
17	Q10 + Q11 + Q12
18	Q50
19	Q8 + Q9 + Q10 + Q11 + Q12 + Q50
20	Q51
21	Q49a
22	Q49b
23	Q49c
24	Q7
25	Q13 + Q14 + Q15 - Q51
26	Q16

"100 Libraries" Format

For the "100 Libraries" ratios, the following formulas were used:

"100 Libraries" ratio	Formula using data from ACRL question #:
1. (Circulation) Transactions per item (in the collection.)	Q39 / Q23 col. 2.
2. (Circulation) Transactions per students (FTE).	Q39 / (Q56 + Q57 + Q58 + Q59)
3. (Circulation) Transactions per staff members (FTE).	Q39 / Q6

4.	Volumes added per (total) students (FTE).	Q23 col. 1 / (Q56 + Q57 + Q58 + Q59)
5.	% Expenditures for print (of total materials budget.)	Q8 / (Q8 + Q9 + Q10 + Q11 + Q12 + Q50)
6.	% Expenditures for Audiovisuals (of total materials budget.)	Q11 / (Q8 + Q9 + Q10 + Q11 + Q12 + Q50)
7.	% Expenditures for Periodicals (of total materials budget.)	Q9 / (Q8 + Q9 + Q10 + Q11 + Q12 + Q50)
8.	% Collection Development (of total materials budget.)	(Q8 + Q9 + Q10 + Q11 + Q12 + Q50) / Q16
9.	Reference Transactions (per typical week) per FTE student.	Q45 / (Q56 + Q57 + Q58 + Q59)
10.	Persons served by Bibliographic Instruction per FTE student.	(Q47 X 52) / (Q56 + Q57 + Q58 + Q59)

This ratio is defined differently from the comparable ratio in "100 Libraries". Note that the value in Q47 (which, by definition, is the value for a "typical week") is multiplied by the quantity 52 in order to convert the value to an annual figure.)

3. "N/A"

The use of the notation "N/A" (or its many variants) caused a number of problems because of its ambiguous meaning. There is a difference between "not applicable" and "not available." Normally, this ambiguity is not serious and those analyzing data can usually treat "N/A" as a missing item without serious difficulties. However, in this compilation, a number of the variables in the main data tables and in the ratios were derived from formulas using numbers which came from the ACRL collection form. (The formulas are given above in part 2.)

The problem is this: should "N/A" be treated as a missing item or zero? That is, without any clue from the form, how should the compiler treat this symbol in a formula? If the compiler treats it as a zero ("not applicable," that is the library doesn't have any of the variable being requested) then there will be cases where the resources of an institution will be understated. For example, if a library reported that it paid for 1,000 serial items but did not know how many serials it received free in a depository program, it would have filled out the two questions requesting these pieces of information with "1,000" and "N/A" (in this case, meaning "not available.") The total number of current serials reported in the data tables (in column 7) was calculated by adding together these two variables. Should "N/A" be treated as zero so that the number of reported serials is given as "1,000" or should it be treated as "N/A" and the sum of the two values be treated as "N/A?" In other words, what is "N/A" plus anything? Unfortunately, there is no good answer to this question and the compiler has two bad alternatives to choose from.

The solutions chosen in the various formulas varied, depending on characteristics of the variables, questions asked, etc. In some formulas, it was decided to treat "N/A" as zero. For example, in the ratio tables, several of the ratios use the total number of students at an institution. If an institution does not have graduate students, or any other category, it could fill in the question with a zero or "N/A" (not applicable). In almost all cases, libraries appeared to answer this question with an "N/A" when it was clear that zero would be less ambiguous. For example, most non-doctoral institutions entered "N/A" for the number of Ph.D.'s awarded rather than zero. In calculating the number of students for the ratio, therefore, "N/A" should be treated as if it were a zero. However, in another formula, that for calculating Volumes Added Net, "N/A" was not treated as a zero. This formula takes the reported number of Volumes Added Gross and subtracts from it the number of Volumes Withdrawn (question #52 on the ACRL form). Occasionally libraries will not withdraw any books in a year but it is a rare occurrence, which could be described simply by answering the question with a zero. Consequently, it is easier to imagine that a person filling out the survey did not know how many books were withdrawn from a library when this question is answered with an "N/A." Therefore, when Volumes Withdrawn was "N/A" the number of Volumes Added Net was given as "N/A."

In the future, this ambiguity can be lessened by following a solution chosen by ARL. This year, ARL began making the useful distinction between "U/A," meaning "unavailable" and "N/A," meaning "not applicable."

4. Apparent Mathematical Errors

There are apparent mathematical errors in the data tables. They occur commonly in two places: staffing and expenditures.

The most common form of this kind of problem appears as a result of rounding errors. ARL only reports employees in whole numbers, while the collection form used by ACRL allowed for fractions to be reported. In order to fit the ACRL data into the ARL form, it was necessary to round the numbers reported. It was decided to report the (rounded) total as given by the library, and the (rounded) individual categories. When the sum of the rounded individual categories does not equal the given total, there is a footnote. For example, suppose the following figures were reported for a given library:

	Reported By Library	Published In Tables
Librarians	4.5	5
other staff	4.5	5
students	9.5	10
Total	18.5	19

In this case, the total of the rounded categories is 20, not 19 as is stated, and there would be a footnote with the original values reported.

Rounding errors result from necessities of publication. There are other cases of apparent mathematical error that are of a different type, where a set of figures "should" add up but do not. Previous practice usually has involved changing the given total. There are two problems with this practice. First, this method assumes that the total is wrong and all of the other numbers in the column are correct. In a number of cases (but not all) when a check was done with libraries where such errors occured, the total was correct and one or more values in the column of figures was incorrect. The second problem is that library practice is frequently more complex than these collection forms allow. For instance, in the data tables the expenditures for salaries of librarians, "all other paid staff," and students "should" equal the total expended for salaries and wages, although there are cases where this expected relationship does not hold. (The reader will recall that the figure for total salaries and wages is not derived from one of the formulas given above.) In a few cases, it was possible to determine that the total given was the amount actually spent and the individual categories was the amount budgeted. The distinction between the two is potentially useful and by ignoring the given total and summing the individual categories, information is lost. This information comes as a result of deriving a conclusion from examining the data. We should derive our understanding of libraries from looking at data rather than derive data from our understanding of libraries.

In general, the approach followed here leaves the numbers reported by the libraries as they reported them. Part of the argument for this approach is given in the preceding paragraph but a fuller development can be found in the Introduction to Cumulated ARL University Library Statistics, 1962-63 through 1978-79 by Kendon Stubbs and David Buxton (Washington: Association of Research Libraries, 1981) and in pages 11-24 of The Gerould Statistics, 1907/08-1961/62 by Robert Molyneux (Washington: Association of Research Libraries, 1986).

5. Combining Forms

Many of the libraries surveyed have branches or separately administered units such as law libraries. ACRL tried to send surveys to these different units to be sure to get information from them. In most cases, the main library combined the data from the different units into one form. Thirteen institutions sent separate forms and it was necessary to combine these forms into one. These cases were complex and care in using numbers from these institutions is suggested. These institutions are:

Catholic	Montana
Denver	Northern Illinois
Gonzaga	St. Louis
Idaho	South Dakota
Marquette	Windsor
Memphis	Wyoming
Mississippi	

It proved impossible to combine the forms from the law and main libraries at Windsor, so the data from that institution are for the main library only.

Appendix 3

FOOTNOTES TO THE ACRL STATISTICS, 1985-86

Institution	Category from Main Tables	Notes
Akron	(4)	Law reports "not available."
	(18)	No figure for main library.
Alaska, Fairbanks	(11-14)	Rounding error. Number of reported staff was: Librarians, 29.5; all other paid staff, 33.5; students, 19.5.; total FTE staff, 82.5
Amherst	(11-14)	Number of reported staff was: Librarians, 11.51; all other paid staff, 25.3; "contributed services staff," 0.5; students, 10.69; total FTE staff, 47.99 (sic).
	(15-16)	Include expenditures for microforms and audiovisual materials.
	(24)	Includes fringe benefits and is the budgeted amount.
Arkansas	(11-14)	Rounding error. Number of reported staff was: Librarians, 39.75; all other paid staff, 70.5; students, 47; total FTE staff, 157.25.
Auburn	(8)	Excludes government documents.
	(23)	Includes $71,750 in Federal Work Study Funds.
Ball State	(15)	Includes expenditures for microforms.
Bowdoin	(16)	Includes expenditures for microforms and audiovisual materials.

Institution	Category from Main Tables	Notes
Bowling Green State	(11-14)	Rounding error. Number of reported staff was: Librarians, 56.25; all other paid staff, 50.5; students, 61.5; total FTE staff, 168.25.
Brandeis	(11-14)	Rounding error. Number of reported staff was: Librarians, 28.4; all other paid staff, 38; students, 31.2; total FTE staff, 97.6.
Bryn Mawr	(11-14)	Number of reported staff was: Librarians, 16.75; all other paid staff, 20.37; students, 15.38; total FTE staff, 54.50 (sic).
Calgary	(13)	Included in (12).
	(15-16)	Include expenditures for microforms.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $ 665,111 (16) 1,879,095 (17) 4,152,649 Includes "all types funded from external funds, primarily microforms." (18) No figures reported. (19) 6,696,855 (20) No figures reported. (21) 1,479,427 (22) 4,088,812 (23) Included in (22). (24) 5,872,695 (25) 1,611,257 (26) 14,180,807
Calif. State, Long Beach	(11-14)	Rounding error. Number of reported staff was: Librarians, 48.2; all other paid staff, 87.2.; students, 139.2; total FTE staff, 274.6.

Institution	Category from Main Tables	Notes
Calif. State, Northridge	(11-14)	Rounding error. Number of reported staff was: Librarians, 39.5; all other paid staff, 69.5; students, 52.45; total FTE staff, 161.45.
Carleton	(5)	Includes non-purchased subscriptions.
	(15-26)	Expenditures in Canadian dollars were: (15) $1,042,524 (16) 681,098 (17) No figures reported. (18) No figures reported. (19) 1,723,622 (20) 108,477 (21) 1,269,523 (22) 2,201,099 (23) 128,743 (24) 3,599,365 (25) 856,114 (26) 6,287,578
		Ph.D.'s awarded figure is for 1986 calendar year.
Carnegie-Mellon	(4)	Number of titles purchased.
	(11-14)	Rounding error. Number of reported staff was: Librarians, 28; all other paid staff, 37.5; students, 44.5; total FTE staff, 110.
	(11)	Includes 4.1 positions funded by special projects and/or grants.
	(12)	Includes 4.25 positions funded by special project funds.
Catholic	(17)	Figures for Law only.
	(21-24))	The sum of (21), (22), and (23) do not equal (24) because (24) reports the amount budgeted while (21)-(23) report the amounts actually spent.

Institution	Category from Main Tables	Notes
Cedar Crest and Muhlenberg	(21-22)	(22) included in (21).
City College of CUNY	(11-14)	Rounding error. Number of reported staff was: Librarians, 31.33; all other paid staff, 30.25; students, 15.1, total FTE staff, 76.68.
City University of NY		Headcount figures given for the total part-time students (788) and total part-time graduate students (474).
Claremont		The libraries provide service for six independent institutions: Claremont Graduate School, Pomona College, Scripps College, Claremont McKenna College, Harvey Mudd College and Pitzer College.
Coffeyville Comm. College	(11-14)	Rounding error. Number of reported staff was: Librarians, 1; all other paid staff, 4.5; students, 4.5; total FTE staff, 10.
	(23)	Not paid out of library funds.
College of the Mainland	(11-14)	Rounding error. Number of reported staff was: Librarians, 3; all other paid staff, 9.5; students, 2.5; total FTE staff, 15.
Davidson County Comm. Coll.	(4)	Number of titles purchased.
	(11-14)	Rounding error. Number of reported staff was: Librarians, 3.5; all other paid staff, 4.85; students, 0.75; total FTE staff, 9.1.

Institution	Category from Main Tables	Notes
Denver		Law reports the number of Ph.D.'s awarded and the number of fields in which a Ph.D. can be awarded as "N/A." Main library reports the number of "total part-time students" and "total FTE part-time graduate students" as "N/A."
Earlham	(13)	Students worked 15,450 hours.
Fordham	(11-14)	Rounding error. Number of reported staff was: Librarians, 31.5; all other paid staff, 55; students, 29.5; total FTE staff, 116.
George Washington		From Law, total full-time students and and total FTE part-time "N/A."
Gonzaga	(11-14)	Rounding error. Number of reported staff was: Librarians, 10; all other paid staff, 17; "contributed services staff," 0.7, students, 24.4; total FTE staff, 52.1.
Guilford Tech. Comm. College	(11-14)	Rounding error. Number of reported staff was: Librarians, 2.65; all other paid staff, 7.65; students, 0.6; total FTE staff, 10.9.
	(21-24)	The sum of (21), (22), and (23) do not equal (24) because student assistants are not paid out of the library budget.
Gustavus Adolphus College	(11-14)	Number of reported staff was: Librarians, 6; all other paid staff, 7.5; "contributed services staff," 0.5; students, 10; total FTE staff, 24.
Hofstra	(21-24)	(21)-(23) do not include Law.

Institution	Category from Main Tables	Notes
Idaho	(4)	Figures for main library were "N/A."
	(11-14)	Rounding error. Number of reported staff was: Librarians, 23.5; all other paid staff, 39.5; students, 17.3; total FTE staff, 80.3.
Indiana State	(11-14)	Number of reported staff was: Librarians, 30; all other paid staff, 43.5, students, 37; total FTE staff, 119 (sic).
Kansas State		"Total FTE part-time students" and "total FTE part-time graduate students" are reported as "N/A." There is a marginal note "Total: 16,686." The number of "total full time students" is 13,754 and the number of "total FTE part-time graduate students" is 2,932. The sum of these numbers is 16,686.
Lehigh		Replies to the questions on total FTE part-time students and total FTE graduate students were left blank.
Maine	(4)	Estimated titles purchased.
	(11-14)	Number of reported staff was: Librarians, 19.5; all other paid staff, 43; "contributed services staff," 1.5; students, 13; total FTE staff, 77.
	(15)	Includes expenditures for audiovisual materials.
		Ph.D.'s awarded includes Ed.D's, as does the count of fields that Ph.D.'s are awarded in.

Institution	Category from Main Tables	Notes
Marquette	(2,3)	Figures for Law only. Note that, as a result of using a formula to derive Volumes added, Net, the figure for Volumes Withdrawn (Question 32 on the ACRL form) from the main and Law libraries have been subtracted from the figures for Volumes added, Gross for the Law library only.
	(4,5-7,9,10)	Figures for main library only. Law reports "NA."
	(11-14)	Rounding error. Number of reported staff was: Librarians, 32.5; all other paid staff, 48.6; students, 32.1; total FTE staff, 113.2.
	(15)	Figure from main library includes expenditures for microforms, audiovisual materials, and other materials.
Memphis State	(5-7)	Figures for main library only.
	(15)	Includes expenditures for machine readable materials.
Mississippi	(11-14)	Number of reported staff was: Librarians, 32; all other paid staff, 31; "contributed services staff," 3; students, 48.5; total FTE staff, 114.5.
		Replies to the questions on the numbers of "Total full-time graduate students" and "Total FTE part-time graduate students" were left blank on the form from the Law library.
	(17)	Figure is for Law library only.
	(20)	Figure is for main library only.

Institution	Category from Main Tables	Notes
Missouri, Kansas City	(11-14)	Rounding error. Number of reported staff was: Librarians, 29.8; all other paid staff, 45.5; students, 27.8; total FTE staff, 103.1.
	(26)	Includes one time state assistance of $1,513,400. Additional support of $185,533 was given to the Health Sciences Library from sources other than library administered funds.
Montana	(8,18)	Figures for Law library only.
	(11-14)	Number of reported staff was: Librarians, 17.71; all other paid staff, 37.28; "contributed services staff," 0.6; students, 39.22; total FTE staff, 94.81. Law reports "N/A" for number of Ph.D.'s and Ph.D. fields. Main library reports total FTE students as "not available" while Law reports this figure as "N/A."
Montana State		Holdings based on a physical count that has been added to an historical figure that was based on a bibliographic count.
Nevada, Reno	(11-14)	Rounding error. Number of reported staff was: Librarians, 24.5; all other paid staff, 47.3; students, 28.5; total FTE staff, 100.3.
	(17)	Included in 15.

Institution	Category from Main Tables	Notes
New Brunswick	(15-26)	Expenditures reported in Canadian dollars were: (15) $ 504,482 (16) 882,246 (17) 54,747 (Postage and handling.) (18) Reported as "N/A." (19) 1,441,475 (20) 53,718 (21) 849,982 (22) 1,130,021 (23) 187,258 (24) 2,385,848 (25) 348,494 (26) 4,229,535 Reply to the question on the number of "Total FTE part-time graduate students" was left blank.
North Carolina, Greensboro	(11-14)	Rounding error. Number of reported staff was: Librarians, 22.2; all other paid staff, 48.2; students, 20.4; total FTE staff, 90.8.
Northeastern	(11-14)	Rounding error. Number of reported staff was: Librarians, 44.8; all other paid staff, 51.8; students, 71.7; total FTE staff, 168.3. Figures from Law not included.
Northern Illinois	(5-7,21,22)	Figures are for main library only.
Ohio University	(11-14)	Rounding error. Number of reported staff was: Librarians, 32; all other paid staff, 50.7; students, 53.6; total FTE staff, 136.3.
	(17)	Included in (15) and (16).
Penn Valley Comm. College	(20)	Included in (16).

Institution	Category from Main Tables	Notes
Prince George's Comm. Coll.	(11-14)	Rounding error. Number of reported staff was: Librarians, 8.5; all other paid staff, 10.5; students, 5; total FTE staff, 24.
Reed College	(11-14)	Rounding error. Number of reported staff was: Librarians, 5; all other paid staff, 6.5; students, 6.8; total FTE staff, 18.3.
Rensselaer Polytechnic	(21,24)	Excluding director's salary.
Rockefeller		Has no full-time instructional faculty. However, there are "361 doing research and participating in educational programs."
St. Louis		Figures included for Divinity Library, Omer Poos Law Library, Parks College Library, Pius XII Memorial Library. Few figures are from all libraries.
	(11-14)	Rounding error. After summing the data from the individual libraries, the number of reported staff was: Librarians, 27.9; all other paid staff, 52.7; students, 26.85; total FTE staff, 107.45.
St. Petersburg Jr. College		Figures for Clearwater Campus only.
Shelby State Comm. Coll.	(11-14)	Rounding error. Number of reported staff was: Librarians, 5.5; all other paid staff, 3.5; students, 4; total FTE staff, 13.

Institution	Category from Main Tables	Notes
South Dakota		Basis of volume count is given as bibliographic for the main library, physical for Medical library, and is not given for Law.
		Total FTE part-time students, total full-time and total FTE part-time graduate students are given as "N/A" for Law.
		Total FTE part-time students is given as "NA" for Medical library.
South Dakota State	(15)	Includes standing orders.
South Florida	(11-14)	Rounding error. Number of reported staff was: Librarians, 51.8; all other paid staff, 114.5; students, 50.5; total FTE staff, 216.8.
Southern Methodist	(4)	Does not include Law.
Texas Christian	(15,16)	Include expenditures for microforms and audiovisual materials.
Toledo	(11-14)	Rounding error. Number of reported staff was: Librarians, 34.9; all other paid staff, 47.5; students, 34.7; total FTE staff, 117.1.
	(15,16)	Includes (17).
	(17)	Figure given is for expenditures for audiovisual materials.
Union College	(11-14)	Rounding error. Number of reported staff was: Librarians, 13.32; all other paid staff, 13.54; students, 13.5; total FTE staff, 40.36.
University of the South	(23)	Includes work study.

Institution	Category from Main Tables	Notes
Utah State		Volume count is "mostly" bibliographic.
Vermont		
	(5-7)	Medical library only.
	(11-14)	Rounding error. Number of reported staff was: Librarians, 28.6; all other paid staff, 61.6; students, 21.1; total FTE staff, 111.3.
	(26)	"Includes $48,195 not included in official University Financial Report."
Victoria	(5)	Includes (6).
	(15-26)	Expenditures reported in Canadian dollars were: (15) $ 652,076 (16) 1,205,611 (17) 37,555 (18) 0 (19) 1,895,242 (20) 163,886 (21) 1,365,012 (22) 1,993,291 (23) 88,855 (24) 3,447,158 (25) 335,533 (26) 5,841,819
Virginia Commonwealth	(11-14)	Rounding error. Number of reported staff was: Librarians, 89.5; all other paid staff, 76.6; students, 35.5; total FTE staff, 201.6.
	(16)	Includes expenditures for microforms.
Wellesley	(4)	Title count.
Western Illinois	(11-14)	Rounding error. Number of reported staff was: Librarians, 22.5; all other paid staff, 39.5; students, 13; total FTE staff, 75.

Institution	Category from Main Tables	Notes
Windsor		A form from the Law library was received but there were data from so few categories that it proved impossible to add the two forms together. Three summary figures for these libraries: (1) 985,585. (24) US$ 1,989,312; C$ 2,748,632; (26) US$ 3,609,953; C$ 4,987,872.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $ 576,000 (16) 1,029,000 (17) "N/A" (18) 0 (19) 1,605,000 (20) 75,000 (21) 809,000 (22) 1,123,000 (23) 79,000 (24) 2,011,000 (25) 268,000 (26) 3,959,000
Wisconsin, Parkside	(11-14)	Rounding error. Number of reported staff was: Librarians, 10.8; all other paid staff, 10.5; students, 16.7; total FTE staff, 38.
Wyoming	(4)	Law reports that it added 827 titles, which are not included in this figure.
	(5,6,18)	Figures for Law only.
Yeshiva	(26)	Includes fringe benefits of $377,827.

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Date Filmed

March 21,1991